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xEnergy Main



Design-verified Switchgear System
Catalogue 2017

Powering Business Worldwide



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xEnergy Main power distribution
System description



xEnergy Main product features

- Enclosures for side-by-side and stand-alone cabinets
- Degree of protection IP31 or IP55
- Main busbars up to 5000 A
- 2 Main busbar systems are possible in each section
- Clear separations into functional areas from form 1 to form 4 to provide even better protection for people and equipment
- Widths of 425, 600, 800, 850, 1000, 1100, 1200 and 1350 mm
- Height 2000 mm
- Color RAL 7035 (other colors upon request)
- Network types TN-C, TN-C-S, TN-S, TT, IT
- Type-tested switchgear assemblies in accordance with IEC/EN 61439
- Optimized for 3 and 4 pole switchgear from Eaton

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XP - Power sections

Incoming supplies, outgoers and couplings up to 5000 A

- cable connection from the top and bottom
- busbar positions rear-mounted - bottom/top mounted or running under the top panel
- section height 2000 mm / section depth 400/600/800/1000 (1000 = 800+200) mm
- internal separations up to Form 4







Air circuit breakers IZM series 26 and series IZMX16/40

- widths of 425/600/800/1000/1100/1200/1350 mm
- fixed or withdrawable
- 3 or 4 poles
- with a second busbar suitable as a coupling section
- 630 - 5000 A
- Form 4
- IP31, IP55 with IZM-XDT protective cover
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated from outside
- suitable for switchgear with remote operation

Compact circuit breakers NZM3/4 in Form 4

- widths of 425/600/800/1000 mm
- fixed or withdrawable
- 3, 4 or 3 pole + TPN
- with a second busbar suitable as a coupling section
- 250 - 630 A (NZM3)
- 630 - 1600 A (NZM4)
- Form 4
- IP31, IP42, IP55
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated from outside
- installation of two switching devices in one section is possible
- suitable for switchgear with remote operation



Compact circuit breakers NZM4 in Form 2

- widths of 425/600/800 mm
- fixed or withdrawable
- 3 or 4 poles
- with a second busbar suitable as a coupling section
- 630 - 1600 A
- Form 2
- IP31/55
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated behind the door as high as the section
- suitable for switchgear with remote operation

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XF - Outgoing sections - Fixed design

- Outgoers with circuit breakers PKZ, NZM, FAZ, switch fuse units and fuse switch disconnectors up to 630 A
- for busbar positions at the rear - top/bottom or running under the top panel
- section height 2000 mm / section depth 400/600/800 mm





Outgoing sections for outgoers up to 630 A in Form 2

- widths of 800/1000/1200 mm
- module widths of 425 and 600 mm
- 3 or 4 poles
- Form 2
- IP31/55
- consistent mounting height of switchgear
- circuit breakers suitable for use with plug base
- single-wing section door up to 800/1000 mm, 2-wing door for 1200 mm
- suitable for switchgear with remote operation
- operation behind the door
- dropper bar to be selected from 800-1600 A
- separate set-up in 2 separate sections is possible, e.g. 600 mm/600 mm. Switchgear area/ cable connection area

Outgoing sections for fixed outgoers up to 630 A in Form 4

- widths of 800/1000/1200 mm
- module widths of 425 and 600 mm
- each module comes with its own front panel
- 3 or 4 poles
- Form 4
- IP31/55
- circuit breakers suitable for use with plug base - NZM3 with plug base in 800 mm deep sections
- suitable for switchgear with remote operation
- separate doors to switchgear area and connection area
- transparent doors (glass doors) are possible
- dropper bar to be selected from 800-1600 A
- separate set-up in 2 separate sections is possible, e.g. 600/600 mm Switchgear area/cable connection area





Outgoing section for fuse strips up to 630A alternatively with dropper busbar up to 800-3200 A across two sections

- widths of 600/800/1000 mm
- dropper bar to be selected from 800-3200 A
- Form 2
- fuse strips in vertical position
- IP31/IP42/IP55 with door as high as the section
- outgoers are possible downwards and upwards
- up to 40% Cu savings
- operation from outside or behind the door
- two different distribution busbars for selection
  - 800-1600 A with single busbar
  - 1600-3200 A with double busbar system

Box solution

- widths of 600/1000/1200 mm
- module widths of 425/600 mm
- each module comes with its own door to the switchgear area
- 3 or 4 poles
- fixed or withdrawable
- suitable for switchgear with remote operation
- to be operated behind the door or with rotary door coupling handle
- dropper bar to be selected from 800-1600 A
- empty and module panels for the set-up of outgoers (RCD, FAZ ...)
- Form 4
- IP31/55

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XR - Outgoing sections - Removable design





Outgoing sections for switch fuse units (load disconnector units) up to 630 A (SSL)

- widths of 600/800/1000/1200 mm
- suitable for rear-mounted main busbar HSS
- horizontal and vertical position of fuse switch disconnector strips is possible
- can be installed while energized (fuse strips)
- IP31
- outgoers are possible downwards and upwards
- Form 4
- operation from outside
- dropper bar selectable from 800-1600 A

Outgoing sections - Removable (plug-in module) design

- widths of 800/1000/1200 mm
- module width 600 mm
- can be equipped to meet requirements of Form 2 to 4 / up to Type 7
- 3 or 4-pole
- IP31/42/55
- dropper bar selectable from 800-1600 A
- Short-circuit current/dropper bar I_{CW}: up to 80 kA
- finger-safe cover for dropper bars
- consistently equal height of mounting plates with fixed installation
- in Form 2 section door in 1 piece (for 800/1000 mm, for 1200 mm in two pieces)
- to be operated behind the door or with rotary door coupling handle
- can be equipped with fixed modules, removable modules, PIFT modules and Box Solution
- same removable modules for Form 2+4
- Energy modules (with circuit breakers) can be expanded/combined with universal modules
- modules can be replaced while energized
- modules can be combined (fixed/removable design/PIFT)
- switchgear can be realized for remote operation

XW - Outgoing sections - Withdrawable design



Outgoing sections - withdrawable design

- widths of 1000/1200 mm
- section depths of 600/800/1000 mm
- 3 or 4 poles
- rated current of dropper bars I_n=1000 or 2000 A / 3 or 4 poles
- max. short-circuit current I_{CW}=80 kA
- IP31/55
- shelf-boards can be mounted at individual heights, depending on the size of the modules
- max. height of dropper bar available to accommodate equipment = 1875 mm
- cable connection area, fully sealed off from the switchgear area, main busbar area and dropper bar area
- dropper bar at the front fully sealed off thanks to self-closing shutters
- drawers available:
  power outgoers up to 630 A
  direct starters from 0.06-132 kW
  reverse starters from 0.06-132 kW
  star-triangle starters from 5.5-110 kW
- outgoers from 132 to 250 kW are executed as fixed design solutions
- modules removable while energized

XG - Empty sections for General equipment





Empty sections for individual mounting units

- fitting systems for modular installation devices (IVS, EP, Profi+ ...)
- individual mounting units fixed on mounting plates
- control technology - suitable for installation of mounting plates as high as the section, or of split ones
- section height 2000 mm
- section depths of 400/600/800 mm
- section widths of 425/600/800/850/1000/1100/1200/1350 mm
- IP31/55

Technical Data

		Rear busbars up to 5500 A
Standards/regulations		IEC/EN 60439-1, IEC/EN 61439-2, TR61641, DEKRA (KEMA)
Apply Cu according to		EN 13601-CU-ETP-R250-SH
Ambient temperature	°C	-5 up to +40, +35 (24h average value)
Relative humidity	%	50 at 40°C
Protective measure		Protection class I
Degree of protection [1)]		IP31, IP42, IP55 according to IEC/EN 60529 IK10
Internal partition		IPxxB
Rated insulation voltage U_i	V	1000
Rated voltage U_e	V	690
Insulation coordination		III/3
Rated impulse withstand voltage U_{imp}	kV	up to 12
Overvoltage category		IV
Degree of pollution		3
Rated frequency	Hz	40-60
Busbar rated current I_e	A	up to 5500
Busbar rated impulse withstand current I_{CW}	kA	up to 100 (1s)
Busbar rated peak withstand current I_{pk}	kA	up to 220
Sheet thickness	mm	Door and frame = 2, rear, side and top panels = 1.5
Metal surfaces		Powder-coated
Color		RAL 7035 light-grey
Lock mechanism		Espagnolette lock with 2 or 4 point locking and turn-lock 3 mm two-way key bit
On-site installation conditions		Indoor installation according to IEC/EN 61439
Dimensions	mm	Width: 425 – 1350 Height: 2000 (optional 100 or 200 mm with plinth) Depth: 400, 600, 800, 1000

[1)] The degree of protection of the fitted components - depending on the specifications given in the components catalogue - must be taken into account.

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Tender text

· Ready to connect, steel-encapsulated low-voltage switchgear system in multiple control panel design with type-tested installation systems to ICE/EN 61439-1 (VDE 0660 part 500), IEC/EN 61439-2 (VDE 0660 part 600-2).

· The following descriptions are calculation-related and contractual elements. They are to be considered with the descriptions of the individual systems and the equipment, even when they are not mentioned in detail.

· Cabinet systems consisting of individual add-on sections of the same type in torsion-resistant steel profile design, made of 2 mm thick steel sections, with internal pre-drilled holes at 25 mm intervals to DIN 43660, structured powder spray paint RAL 7035 light grey.

· Removable external panelling, made of 1.5 mm sheet steel, structured powder spray paint RAL 7035 light grey.

· All construction parts for internal setup are hot-galvanized and feature pre-drilled holes at 25 mm intervals to DIN 43660.

· Plinth 100/200 mm high, powder-coated in RAL 7035 light grey, with removable front, side and rear panels. The plinth must be suitable for direct transport with the respective tools.

· Switchboard cabinets accessible from the front through inlying doors with external hinges. 180° door opening angle. Door lock with espagnolette lock, 4 point locking and two-way key bit lock. To be actuated with a clip-down handle for half cylinder safety lock.

· Degree of protection:	IP31 to DIN EN 60529 IP42/55 with sealed door
· Protective measures:	with protective conductor, protection class I
· Rated insulation voltage:	690 V
· Overvoltage category:	III
· Degree of pollution:	3
· Rated operational voltage:	 V
· Frequency:	. . . . . Hz
· Control voltage AC/DC:	 V
· Busbar rated current:	. . . . . A
· Rated short-time withstand current I_{cw}	. . . . . kA/s
· Network system configuration	. . . . .
· Busbars (number), conductor labelling	. . . . .
· Max. dimensions allowed	
	Width . . . . .
	Height. . . . .
	Depth . . . . .
· Largest transport unit allowed	
	Width
	Height
	Depth

· All transport units feature removable lifting eyebolts.

· Equipment of the switchgear system with the following components, fixed installation method:

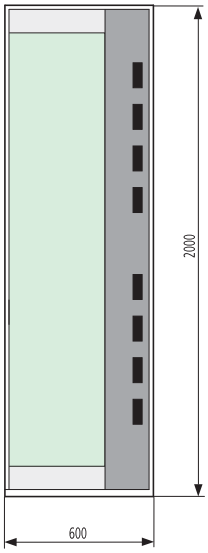
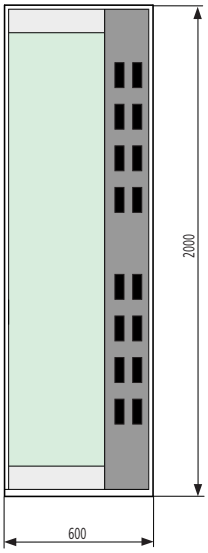
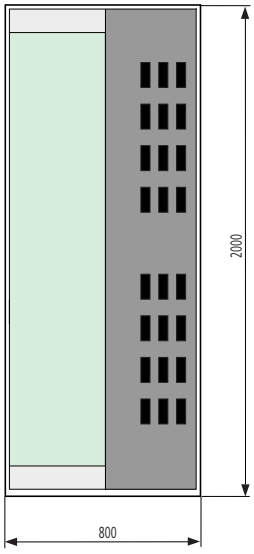
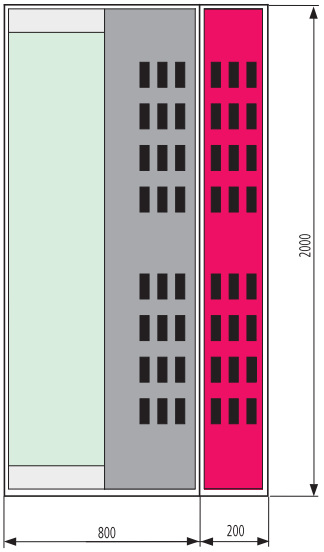
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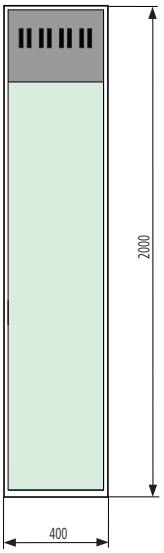
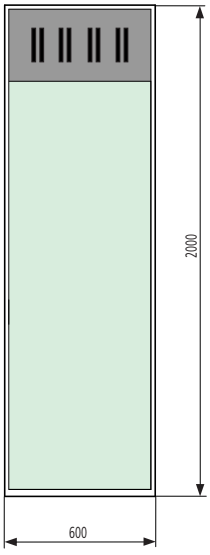
Fully assembled switchgear system described above, ready to connect and prewired, subject to 100% ex-factory test to IEC/EN 61439 part 1. The test protocol is part of the documentation.

· Manufactured by	Eaton
· Type	xEnergy Main

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System description - main busbars and section depths

Busbar Rated current Ie (Cu cross-sections)	800 A (1 x 40 x 10 mm²) 1250 A (1 x 60 x 10 mm²)	1600 A (2 x 40 x 10 mm²) 2000 A (2 x 60 x 10 mm²) 2500 A (2 x 80 x 10 mm²) 3200 A (3 x 80 x 10 mm²)	4000 A (3 x 80 x 10 mm²)	5000 A 2x(3 x 80 x 10 mm²)
Rear-mounted (side view)	 Kat_HSS_SB	 00155946_0	 00155956_0	 Kat_HSS_5000

Busbar Rated current Ie (Cu cross-sections)	800 A (2 x 20 x 10 mm²) 1250 A (2 x 40 x 10 mm²) 1600 A (2 x 60 x 10 mm²)	1250 A (2 x 40 x 10 mm²) 1600 A (2 x 60 x 10 mm²) 2000 A (2 x 80 x 10 mm²) 2500 A (2 x 100 x 10 mm²) 3200 A (2 x 120 x 10 mm²)
Top-mounted (side view)	 00155966_0	 00155976_0

Busbar area

Switchgear area

additional busbar area for 5000 A

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Main busbar located at the “rear“

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- IZM63 ..... Page xx
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Main busbar located at the “top“

XP = Power sections

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- NZM4 in Form 2 ..... Page xx
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XF = Outgoing sections - fixed design

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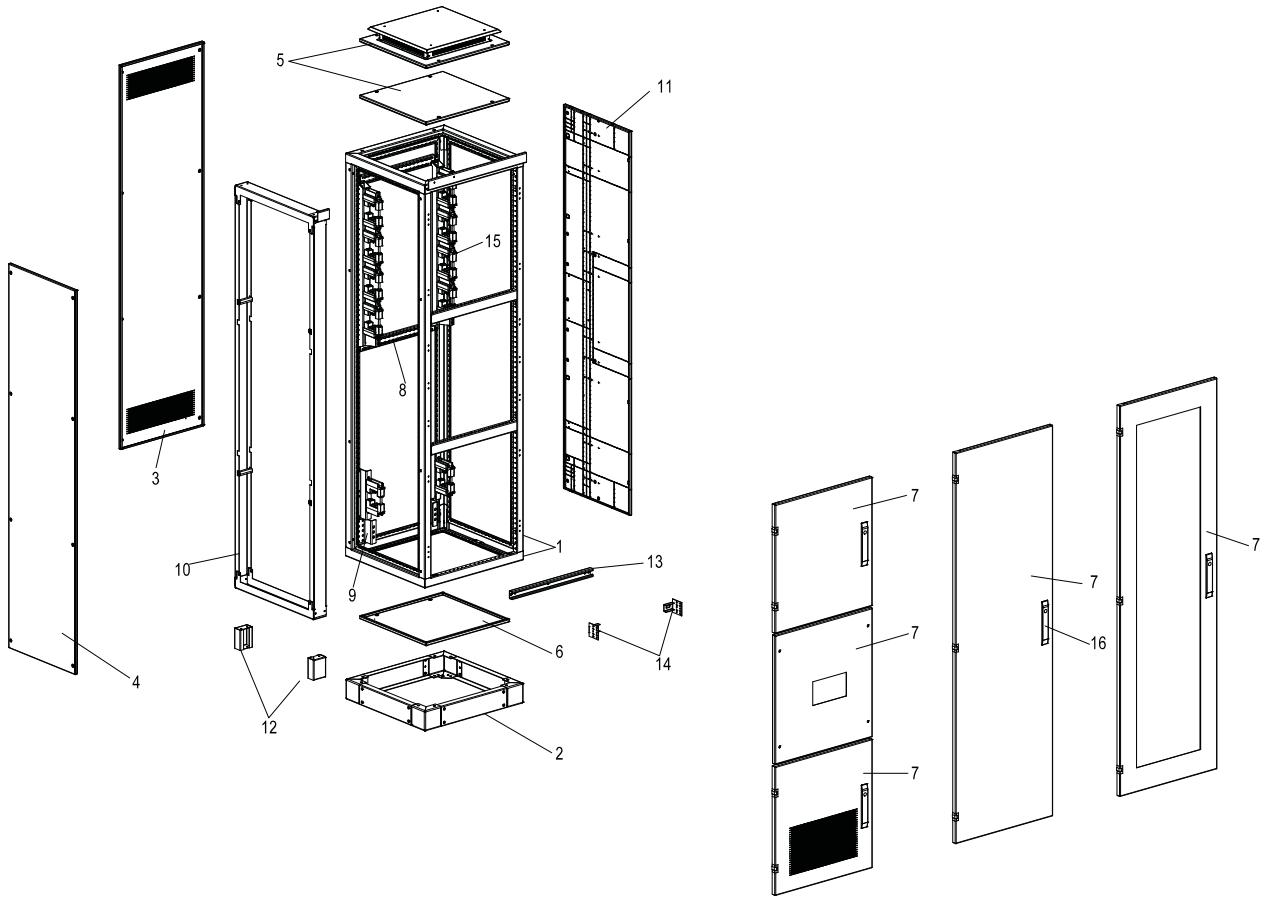
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General Overview of Enclosures

CAT000009



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Crossbar for rail holder
9 Holder for grounding bar
10 Add-on frame
11 Separation panel between section/section
12 Add-on plinth
13 Cable strain relief rail
14 Fixing bracket for cable strain relief rail
15 Main busbar support
16 Lock

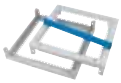
Features
- Widths 425/600/800/850/1000/1100/1200/1350 mm
- IP31, IP42, IP55

Notes
Frame comes with a blue design strip.
Doors include a locking system for a 3 mm two-way key bit.
Where cover plates consisting of several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.

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xEnergy Main Switchboards - General Overview, Section Depth 400 mm


wa_vt75013


wa_vt28313


VT10309


VT00111


VT10109


VT00811

Item numbers of the exploded pictorial view			1	1	1	1	1	1	1	1
			General articles							
	Section width mm	Section depth mm	Frame Article No. per unit unit = 1 set	Frame 5000A Depth 200mm Article No. per unit unit = 1 set	Corner sect. H=2000mm W=650mm D=600mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. H=2000mm W=850mm D=800mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. extension set 1050x1050 for 5000 A application Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles for Box Solution Article No. per unit unit = 1 set	Height profile for section add-on 5000A application consisting of 4 vertical profiles Article No. per unit unit = 1 set
	425	400	**XSFB0404** 284231 122274*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	600	400	**XSFB0604** 284234 122277*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	800	400	**XSFB0804** 284237 122280*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	850	400	**XSFB08504** 143343 143479*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1000	400	**XSFB1004** 284240 122283*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1100	400	**XSFB1104** 143348 143484*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1200	400	**XSFB1204** 132935 186367*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1350	400	**XSFB13504** 143352 143488*	-	-	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*

Note * Finish in special RAL colour

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wa_vt68713


VT27209


wa_vt65713


wa_vt65613


VT22313


wa_vt25213


VT07906

8	9	10	10	3	3	3	11	11
Crossbar for rail holder Article No. per unit unit = 1 pc.	Rail holder for PEN Article No. per unit unit = 1 pc.	Add-on frame (section width 75mm) Article No. per unit unit = 1 pc.	Add-on frame (section width 150mm) for 5000A application Article No. per unit unit = 1 pc.	Rear panel ventilated IP31 Article No. per unit unit = 1 pc.	Rear panel ventilated IP42 Article No. per unit unit = 1 pc.	Rear panel closed IP55 Article No. per unit unit = 1 pc.	Separation panel sect./sect. Article No. per unit unit = 1 pc.	Separation panel section/section depth 200mm Article No. per unit unit = 1 pc.
XBBB04 283859	**XBSP** 283872	-	-	**XSWV2004** 284360 122351*	**XTSZRV4-W425** 172524 186416*	**XSWC2004** 284355 122346*	**XPSS2004** 284781	-
XBBB06 283860	**XBSP** 283872	-	-	**XSWV2006** 284361 122352*	**XTSZRV4-W600** 172525 186417*	**XSWC2006** 284356 122347*	**XPSS2004** 284781	-
XBBB08 283861	**XBSP** 283872	-	-	**XSWV2008** 284362 122353*	**XTSZRV4-W800** 172526 186418*	**XSWC2008** 284357 122348*	**XPSS2004** 284781	-
XBBB085 143187	**XBSP** 283872	-	-	**XSWV20085** 143417 143553*	-	**XSWC20085** 143416 143552*	**XPSS2004** 284781	-
XBBB10 283862	**XBSP** 283872	-	-	**XSWV2010** 284363 122354*	**XTSZRV4-W1000** 172520 186412*	**XSWC2010** 284358 122349*	**XPSS2004** 284781	-
XBBB11 133098	**XBSP** 283872	-	-	**XSWV2011** 133002 133050*	**XTSZRV4-W1100** 172521 186413*	**XSWC2011** 133000 133048*	**XPSS2004** 284781	-
XBBB12 283863	**XBSP** 283872	-	-	**XSWV2012** 284364 122355*	**XTSZRV4-W1200** 172522 186414*	**XSWC2012** 284359 122350*	**XPSS2004** 284781	-
XBBB135 133099	**XBSP** 283872	-	-	**XSWV20135** 133003 133051*	**XTSZRV4-W1350** 172523 186415*	**XSWC20135** 133001 133049*	**XPSS2004** 284781	-

Note * Finish in special RAL colour

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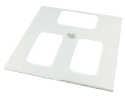


VT07706 wa_vt25313 wa_vt08713 wa_vt25513 wa_vt63213 wa_vt66113 wa_vt25513

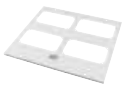
4	4	5	5	5	5	5	5	5	5
Side panel IP55 Article No. per unit unit = 2 pc.	Side panel depth 200mm IP55 Article No. per unit unit = 2 pc.	Top panel bottom panel of sev. parts IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel of sev. parts 2 openings depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel ventilated IP31 Article No. per unit unit = 1 pc.	Top panel bottom panel closed IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel closed depth 200mm IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with flange IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with arc fault protect., depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel for corner sect. IP55 Article No. per unit unit = 1 pc.
XAW2004 283856 122118*	-	**XSPBM0404** 284286 122301*	-	**XAD0404** 283484 122076*	**XSPTC0404** 284301 122316*	-	**XSPTF0404** 284316 122331*	**XSPTA0404** 107256	-
XAW2004 283856 122118*	-	**XSPBM0604** 284289 122304*	-	**XAD0604** 283487 122079*	**XSPTC0604** 284304 122319*	-	**XSPTF0604** 284319 122334*	**XSPTA0604** 107259	-
XAW2004 283856 122118*	-	**XSPBM0804** 284292 122307*	-	**XAD0804** 283810 122082*	**XSPTC0804** 284307 122322*	-	**XSPTF0804** 284322 122337*	**XSPTA0804** 107282	-
XAW2004 283856 122118*	-	**XSPBM08504** 143365 143501*	-	**XAD08504** 143289 143425*	**XSPTC08504** 143391 143527*	-	**XSPTF08504** 143404 143540*	**XSPTA08504** 143378	-
XAW2004 283856 122118*	-	**XSPBM1004** 284295 122310*	-	**XAD1004** 283813 122085*	**XSPTC1004** 284310 122325*	-	**XSPTF1004** 284325 122340*	**XSPTA1004** 107285	-
XAW2004 283856 122118*	-	**XSPBM1104** 143370 143506*	-	**XAD1104** 143294 143430*	**XSPTC1104** 143396 143532*	-	**XSPTF1104** 143409 143545*	**XSPTA1104** 143383	-
XAW2004 283856 122118*	-	**XSPBM1204** 132962 186378*	**XSPBM1204-1** 284298 122313*	**XAD1204** 143297 143433*	**XSPTC1204** 284313 122328*	-	**XSPTF1204** 284328 122343*	**XSPTA1204** 107288	-
XAW2004 283856 122118*	-	**XSPBM13504** 143374 143510*	-	**XAD13504** 143299 143435*	**XSPTC13504** 143400 143536*	-	**XSPTF13504** 143413 143549*	**XSPTA13504** 143387	-

Note * Finish in special RAL colour

EATON Powering Business Worldwide


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wa_vt25613


wa_vt14313

wa_vt14213

wa_vt14113

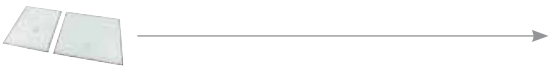
wa_vt14213

wa_vt14113

5	5	5	6	6	6	6	6	6
XF	XW		General articles					
Top panel bottom panel with flange depth 600-800mm IP55 Article No. per unit unit = 1 pc.	Top panel of several parts IP30 Article No. per unit unit = 1 pc.	Top panel for flanges IP55 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, sect. width 425-1350mm IP20 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, sect. depth 400-800mm IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm sect. width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm sect. width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm sect. depth 400-800mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm sect. depth 400-800mm no foam pad IP20 Article No. per unit unit = 1 pc.
-	-	-	**XSPBA0401** 107679	**XSPBA0104** 107684 122535*	**XSPBAC0401** 107687	**XSPBAC0402** 107692	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA0601** 107680	**XSPBA0104** 107684 122535*	**XSPBAC0601** 107688	**XSPBAC0602** 107693	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA0801** 107681	**XSPBA0104** 107684 122535*	**XSPBAC0801** 107689	**XSPBAC0802** 107694	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA08501** 143355	**XSPBA0104** 107684 122535*	**XSPBAC08501** 143358	**XSPBAC08502** 143359	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA1001** 107682	**XSPBA0104** 107684 122535*	**XSPBAC1001** 107690	**XSPBAC1002** 107695	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA1101** 143356	**XSPBA0104** 107684 122535*	**XSPBAC1101** 143360	**XSPBAC1102** 143361	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA1201** 107683	**XSPBA0104** 107684 122535*	**XSPBAC1201** 107691	**XSPBAC1202** 107696	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*
-	-	-	**XSPBA13501** 143357	**XSPBA0104** 107684 122535*	**XSPBAC13501** 143362	**XSPBAC13502** 143363	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*

Note * Finish in special RAL colour

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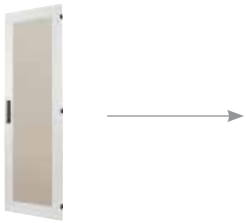
6	6	6	6	7	7	7	7
	XF	PIFT		General parts			
Bottom panel galvanized 3mm sect. depth 400-800mm IP55 Article No. per unit unit = 1 pc.	Bottom panel galvanized 3mm for XF sect. sect. depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvanized 3mm for PIFT sect. sect. depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvanized 3mm for PIFT sect.with door to switchgear a. sect. depth 600-800mm IP55 Article No. per unit unit = 1 set	Section door ventilated left IP31 Article No. per unit unit = 1 pc.	Section door ventilated right IP31 Article No. per unit unit = 1 pc.	Section door ventilated left IP42 Article No. per unit unit = 1 pc.	Section door ventilated right IP42 Article No. per unit unit = 1 pc.
XSPBU0404 119910	-	-	-	**XSDMLV2004** 284209 122255*	**XSDMRV2004** 284218 122264*	**XTSZDSKV4L-H2000W425** 172497 186389*	**XTSZDSKV4R-H2000W425** 172500 186392*
XSPBU0604 119911	-	-	-	**XSDMLV2006** 284210 122256*	**XSDMRV2006** 284219 122265*	**XTSZDSKV4L-H2000W600** 172498 186390*	**XTSZDSKV4R-H2000W600** 172501 186393*
XSPBU0804 119912	-	-	-	**XSDMLV2008** 284211 122257*	**XSDMRV2008** 284220 122266*	**XTSZDSKV4L-H2000W800** 172499 186391*	**XTSZDSKV4R-H2000W800** 172502 186394*
XSPBU08504 143214	-	-	-	**XSDMLV20085** 143338 143474*	**XSDMRV20085** 143339 143475*	-	-
XSPBU1004 119913	-	-	-	**XSDMLV2010** 284212 122258*	**XSDMRV2010** 284221 122267*	**XTSZDSKV4L-H2000W1000** 172701 186428*	**XTSZDSKV4R-H2000W1000** 172702 186292*
XSPBU1104 143219	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1100** 172503 186395*
-	-	-	-	-	**XSDMRV2012** 284222 122268*	-	**XTSZDSKV4S-H2000W1200** 172504 186396*
XSPBU13504 143224	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1350** 172505 186397*

Note * Finish in special RAL colour

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7	7	7	7	2	2	2	2
Section door closed for use on the left or right IP55 Article No. per unit unit = 1 pc.	Section door closed double-wing IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) for use on the left or right IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used f. double-wing door IP55 Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 100mm Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 200mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 100mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 200mm Article No. per unit unit = 1 pc.
XSDMC2004 284198 122244*	-	**XSDMD2004** 284203 122249*	-	**XAP010404** 283822 122090*	**XAP020404** 283836 122104*	-	-
XSDMC2006 284199 122245*	-	**XSDMD2006** 284204 122250*	-	**XAP010604** 283825 122093*	**XAP020604** 283839 122107*	-	-
XSDMC2008 284200 122246*	-	**XSDMD2008** 284701 122358*	-	**XAP010804** 283828 122096*	**XAP020804** 283842 122110*	-	-
XSDMC20085 143330 143466*	-	**XSDMC20085** 143330 143469*	-	**XAP0108504** 143303 143439*	**XAP0208504** 143316 143452*	-	-
XSDMC2010 284201 122247*	**XSDMC2010-S** 132952 171669*	-	**XSDMD2010-S** 143334 143470*	**XAP011004** 283831 122099*	**XAP021004** 283845 122113*	-	-
-	**XSDMC2011-S** 143331 143467*	-	**XSDMD2011-S** 143335 143471*	**XAP011104** 143308 143444*	**XAP021104** 143321 143457*	-	-
-	**XSDMC2012-S** 284202 122248*	-	**XSDMD2012-S** 143336 143472*	**XVTL-SO100/SS-12/4** 119698	**XVTL-SO200/SS-12/4** 119699	-	-
-	**XSDMC20135-S** 143332 143468*	-	**XSDMD20135-S** 143337 143473*	**XAP0113504** 143312 143448*	**XAP0213504** 143325 143461*	-	-

Note * Finish in special RAL colour

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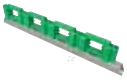
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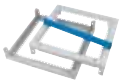
12	12	12	12	13	14	15	
Plinth for add-on frame frame width 75 mm H=100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 75 mm H = 200 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 200 mm Article No. per unit unit = 1 pair	Cable strain relief rail Article No. per unit unit = 1 pc.	Fixing bracket for cable strain relief rail Article No. per unit unit = 1 pair	Rail holder for main busbar Article No. per unit unit = 1 set	
-	-	-	-	**XAR04** 283850	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR06** 283851	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR08** 283852	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR085** 143183	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR10** 283853	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR11** 133076	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR12** 283854	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	

Note * Finish in special RAL colour

Notes

xEnergy Main Switchboards - General Overview, Section Depth 600 mm


wa_vt75013


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VT10309


VT00111


VT10109


VT00811

Item numbers of the exploded pictorial view			1	1	1	1	1	1	1	1
			General articles							
	Section width mm	Section depth mm	Frame Article No. per unit unit = 1 set	Frame 5000A depth 200mm Article No. per unit unit = 1 set	Corner sect. H=2000mm W=650mm D=600mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. H=2000mm W=850mm D=800mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. extension set 1050x1050 for 5000 A application Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles for Box Solution Article No. per unit unit = 1 set	Height profile section add-on f. 5000A application consisting of 4 vertical profiles Article No. per unit unit = 1 set
	300	600	**XSFB0306** 177083 186607*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	425	600	**XSFB0406** 284232 122275*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	600	600	**XSFB0606** 284235 122278*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	800	600	**XSFB0806** 284238 122281*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	850	600	**XSFB08506** 143345 143481*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1000	600	**XSFB1006** 284241 122284*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1100	600	**XSFB1106** 143350 143486*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1200	600	**XSFB1206** 284243 122286*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1350	600	**XSFB13506** 143354 143490*	-	**XSC200606** 286388 141839*	-	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*

Note * Finish in special RAL colour

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VT22313


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8	9	10	10	3	3	3	11	11
Crossbar for rail holder Article No. per unit unit = 1 pc.	Rail holder for PEN Article No. per unit unit = 1 pc.	Add-on frame (section width 75mm) Article No. per unit unit = 1 pc.	Add-on frame (section width 150mm) for 5000A application Article No. per unit unit = 1 pc.	Rear panel ventilated IP31 Article No. per unit unit = 1 pc.	Rear panel ventilated IP42 Article No. per unit unit = 1 pc.	Rear panel closed IP55 Article No. per unit unit = 1 pc.	Separation panel sect./sect. Article No. per unit unit = 1 pc.	Separation panel section/section depth 200mm Article No. per unit unit = 1 pc.
XBBB03 177082	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2003** 177084 186608*	**XTSZRV4-W300** 174083 186606*	**XTSZRC-W30** 174079	**XPSS2006** 284178	-
XBBB04 283859	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2004** 284360 122351*	**XTSZRV4-W425** 172524 186416*	**XSWC2004** 284355 122346*	**XPSS2006** 284178	-
XBBB06 283860	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2006** 284361 122352*	**XTSZRV4-W600** 172525 186417*	**XSWC2006** 284356 122347*	**XPSS2006** 284178	-
XBBB08 283861	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2008** 284362 122353*	**XTSZRV4-W800** 172526 186418*	**XSWC2008** 284357 122348*	**XPSS2006** 284178	-
XBBB085 143187	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV20085** 143417 143553*	-	**XSWC20085** 143416 143552*	**XPSS2006** 284178	-
XBBB10 283862	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2010** 284363 122354*	**XTSZRV4-W100** 172520 186412*	**XSWC2010** 284358 122349*	**XPSS2006** 284178	-
XBBB11 133098	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2011** 133002 133050*	**XTSZRV4-W110** 172521 186413*	**XSWC2011** 133000 133048*	**XPSS2006** 284178	-
XBBB12 283863	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV2012** 284364 122355*	**XTSZRV4-W120** 172522 186414*	**XSWC2012** 284359 122350*	**XPSS2006** 284178	-
XBBB135 133099	**XBSP** 283872	**XSAF200106** 289908 122389*	-	**XSWV20135** 133003 133051*	**XTSZRV4-W135** 172523 186415*	**XSWC20135** 133001 133049*	**XPSS2006** 284178	-

Note * Finish in special RAL colour

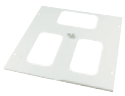


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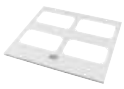
4	4	5	5	5	5	5	5	5	5
Side panel IP55 Article No. per unit unit = 2 pc.	Side panel depth 200mm IP55 Article No. per unit unit = 2 pc.	Top panel bottom panel of sev. parts IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel of sev. parts 2 openings depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel ventilated IP31 Article No. per unit unit = 1 pc.	Top panel bottom panel closed IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel closed depth 200mm IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with flange IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with arc fault prot., depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel for corner s. IP55 Article No. per unit unit = 1 pc.
XAW2006 283857 122119*	-	-	-	-	**XSPTC0306** 177085 186609*	-	-	-	-
XAW2006 283857 122119*	-	**XSPBM0406** 284287 122302*	-	**XAD0406** 283485 122077*	**XSPTC0406** 284302 122317*	-	**XSPTF0406** 284317 122332*	**XSPTA0406** 107257	-
XAW2006 283857 122119*	-	**XSPBM0606** 284290 122305*	-	**XAD0606** 283488 122080*	**XSPTC0606** 284305 122320*	-	**XSPTF0606** 284320 122335*	**XSPTA0606** 107280	**XSPBC0606C** 288995 122385*
XAW2006 283857 122119*	-	**XSPBM0806** 284293 122308*	**XSPBM0806-1** 104533 122425*	**XAD0806** 283811 122083*	**XSPTC0806** 284308 122323*	-	**XSPTF0806** 284323 122338*	**XSPTA0806** 107283	-
XAW2006 283857 122119*	-	**XSPBM08506** 143367 143503*	-	**XAD08506** 143291 143427*	**XSPTC08506** 143393 143529*	-	**XSPTF08506** 143406 143542*	**XSPTA08506** 143380	-
XAW2006 283857 122119*	-	**XSPBM1006** 104529 122421*	**XSPBM1006-1** 284296 122311*	**XAD1006** 283814 122086*	**XSPTC1006** 284311 122326*	-	**XSPTF1006** 284326 122341*	**XSPTA1006** 107286	-
XAW2006 283857 122119*	-	**XSPBM1106** 143372 143508*	-	**XAD1106** 143296 143432*	**XSPTC1106** 143398 143534*	-	**XSPTF1106** 143411 143547*	**XSPTA1106** 143385	-
XAW2006 283857 122119*	-	**XSPBM1206** 104531 122423*	**XSPBM1206-1** 284299 122314*	**XAD1206** 283816 122088*	**XSPTC1206** 284314 122329*	-	**XSPTF1206** 284329 122344*	**XSPTA1206** 107289	-
XAW2006 122119*	-	**XSPBM13506** 143512*	-	**XAD13506** 143437*	**XSPTC13506** 143538*	-	**XSPTF13506** 143551*	**XSPTA13506**	-

Note * Finish in special RAL colour

EATON Powering Business Worldwide


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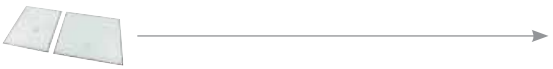
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5	5	5	6	6	6	6	6	6
XF	XW		General articles					
Top panel bottom panel with flange depth 600-800mm IP55 Article No. per unit unit = 1 pc.	Top panel of sev. parts IP30 Article No. per unit unit = 1 pc.	Cover plate for flanges IP55 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, section width 425-1350mm IP20 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, section depth 400-800 mm IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section depth 400-800mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom p. width 110mm section depth 400-800 mm no foam pad IP20 Article No. per unit unit = 1 pc.
-	-	-	-	**XSPBA0106** 107685 122536*	-	-	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
-	-	-	**XSPBA0401** 107679	**XSPBA0106** 107685 122536*	**XSPBAC0401** 107687	**XSPBAC0402** 107692	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
XSPTF0606-XF 121440 122626*	-	-	**XSPBA0601** 107680	**XSPBA0106** 107685 122536*	**XSPBAC0601** 107688	**XSPBAC0602** 107693	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
XSPTF0806-XF 121442 122628*	-	-	**XSPBA0801** 107681	**XSPBA0106** 107685 122536*	**XSPBAC0801** 107689	**XSPBAC0802** 107694	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
-	-	-	**XSPBA08501** 143355	**XSPBA0106** 107685 122536*	**XSPBAC08501** 143358	**XSPBAC08502** 143359	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
XSPTF1006-XF 121444 122630*	**XSPBM1006-MC** 158120 186384*	**XSPTF1006-MC** 158116 186380*	**XSPBA1001** 107682	**XSPBA0106** 107685 122536*	**XSPBAC1001** 107690	**XSPBAC1002** 107695	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
-	-	-	**XSPBA1101** 143356	**XSPBA0106** 107685 122536*	**XSPBAC1101** 143360	**XSPBAC1102** 143361	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
XSPTF1206-XF 121446 122632*	**XSPBM1206-MC** 158121 186385*	**XSPTF1206-MC** 158117 186381*	**XSPBA1201** 107683	**XSPBA0106** 107685 122536*	**XSPBAC1201** 107691	**XSPBAC1202** 107696	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*
-	-	-	**XSPBA13501** 143357	**XSPBA0106** 107685 122536*	**XSPBAC13501** 143362	**XSPBAC13502** 143363	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*

Note * Finish in special RAL colour

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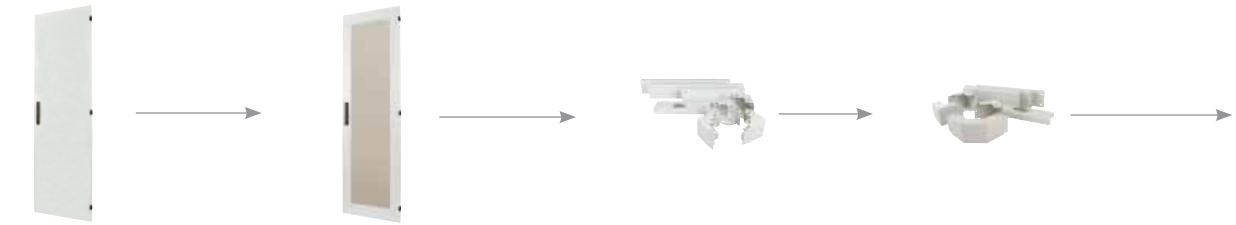


wa_vt65013 wa_vt34213 VT22613 VT10513

6	6	6	6	7	7	7	7
	XF	PIFT		General parts			
Bottom panel galvan. 3mm section depth 400-800mm IP55 Article No. per unit unit = 1 pc.	Bottom panel galvan. 3mm for XF sect. sect. depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sect. section depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sect. with door to switchgear a. sect. depth 600-800mm IP55 Article No. per unit unit = 1 set	Section door ventilated left IP31 Article No. per unit unit = 1 pc.	Section door ventilated right IP31 Article No. per unit unit = 1 pc.	Section door ventilated left IP42 Article No. per unit unit = 1 pc.	Section door ventilated right IP42 Article No. per unit unit = 1 pc.
-	-	-	-	-	-	-	-
XSPBU0406 119914	-	-	-	**XSDMLV2004** 284209 122255*	**XSDMRV2004** 284218 122264*	**XTSZDSKV4L-H2000W425** 172497	**XTSZDSKV4R-H2000W425** 172500
XSPBU0606 119915	**XSPBU0606-42** 119924	-	-	**XSDMLV2006** 284210 122256*	**XSDMRV2006** 284219 122265*	**XTSZDSKV4L-H2000W600** 172498	**XTSZDSKV4R-H2000W600** 172501
XSPBU0806 119916	**XSPBU0806-62** 119925	-	-	**XSDMLV2008** 284211 122257*	**XSDMRV2008** 284220 122266*	**XTSZDSKV4L-H2000W800** 172499	**XTSZDSKV4R-H2000W800** 172502
XSPBU08506 143216	**XSPBU0806-44** 119926	-	-	**XSDMLV20085** 143338 143474*	**XSDMRV20085** 143339 143475*	-	-
XSPBU1006 119917	-	**XSPBU1006-64-S** 119928	**XSPBU1006-73-S** 119929	**XSDMLV2010** 284212 122258*	**XSDMRV2010** 284221 122267*	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702
XSPBU1106 143221	**XSPBU1006-64** 119927	-	-	-	-	-	**XTSZDSKV4S-H2000W1100** 172503
XSPBU1206 119918	-	**XSPBU1206-66-S** 119930	**XSPBU1206-75-S** 119931	-	**XSDMRV2012** 284222 122268*	-	**XTSZDSKV4S-H2000W1200** 172504
XSPBU13506 143226	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1350** 172505

Note * Finish in special RAL colour

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7	7	7	7	2	2	2	2
Section door closed can be used left or right IP55 Article No. per unit unit = 1 pc.	Section door closed double-wing IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used left or right IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used for double-wing door IP55 Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 100mm Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 200mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 100mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 200mm Article No. per unit unit = 1 pc.
XSDMC2003 284198 186610*	-	-	-	-	-	-	-
XSDMC2004 177086 122244*	-	**XSDMD2004** 284203 122249*	-	**XAP010406** 283823 122091*	**XAP020406** 283837 122105*	-	-
XSDMC2006 284199 122245*	-	**XSDMD2006** 284204 122250*	-	**XAP010606** 283826 122381*	**XAP020606** 283840 122108*	**XAP010606C** 288868	**XAP020606C** 288890
XSDMC2008 284200 122246*	-	**XSDMD2008** 284701 122358*	-	**XAP010806** 283829 122097*	**XAP020806** 283843 122111*	-	-
XSDMC20085 143330 143466*	-	**XSDMC20085** 143330 143469*	-	**XAP0108506** 143305 143441*	**XAP0208506** 143318 143454*	-	-
XSDMC2010 284201 122247*	**XSDMC2010-S** 132952 171669*	-	**XSDMD2010-S** 143334 143470*	**XAP011006** 283832 122100*	**XAP021006** 283846 122114*	-	-
-	**XSDMC2011-S** 143331 143467*	-	**XSDMD2011-S** 143335 143471*	**XAP011106** 143310 143446*	**XAP021106** 143323 143459*	-	-
-	**XSDMC2012-S** 284202 122248*	-	**XSDMD2012-S** 143336 143472*	**XAP011206** 283834 122102*	**XAP021206** 283848 122116*	-	-
-	**XSDMC20135-S** 143332 143468*	-	**XSDMD20135-S** 143337 143473*	**XAP0113506** 143314 143450*	**XAP0213506** 143327 143463*	-	-

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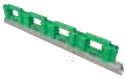
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12	12	12	12	13	14	15	
Plinth for add-on frame frame width 75 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 75 mm H = 200 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 200 mm Article No. per unit unit = 1 pair	Cable strain relief rail Article No. per unit unit = 1 pc.	Fixing bracket for cable strain relief rail Article No. per unit unit = 1 pair	Rail holder for main busbar Article No. per unit unit = 1 set	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**-**	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR04** 283850	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704* see page	**XAR06** 283851	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR08** 283852	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR085** 143183	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR10** 283853	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR11** 133076	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR12** 283854	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR135** 133077	**XNBW-R2** 106740	see page xx	

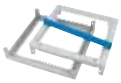
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Notes

xEnergy Main Switchboards - General Overview, Section Depth 800 mm


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VT10309


VT00111


VT10109


VT00811

Item numbers of the exploded pictorial view			1	1	1	1	1	1	1	1
			General articles							
	Section width mm	Section depth mm	Frame Article No. per unit unit = 1 set	Frame 5000A depth 200mm Article No. per unit unit = 1 set	Corner sect. H=2000mm W=650mm D=600mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. H=2000mm W=850mm D=800mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. extension set 1050x1050 for 5000 A application Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles for Box Solution Article No. per unit unit = 1 set	Height profile sect. add-on for 5000A appl. consisting of 4 vertical prof. Article No. per unit unit = 1 set
	400	800	**XSFB0408** 284233 122276*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	600	800	**XSFB0608** 284236 122279*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	800	800	**XSFB0808** 284239 122282*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	850	800	**XSFB08508** 143346 143482*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1000	800	**XSFB1008** 284242 122285*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1100	800	**XSFB1108** 132991 133039*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1200	800	**XSFB1208** 284244 122287*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*
	1350	800	**XSFB13508** 132992 133040*	-	-	**XSC200808** 288867 141840*	-	**XSFH20** 284245 122281*	**XTSPFH-H2000** 109254 122585*	**XSFH20-I-D** 150482 151694*

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VT22313


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VT07906

8	9	10	10	3	3	3	11	11
Crossbar for rail holder Article No. per unit unit = 1 pc.	Rail holder for PEN Article No. per unit unit = 1 pc.	Add-on frame (section width 75mm) Article No. per unit unit = 1 pc.	Add-on frame (section width 150mm) for 5000A application Article No. per unit unit = 1 pc.	Rear panel ventilated IP31 Article No. per unit unit = 1 pc.	Rear panel ventilated IP42 Article No. per unit unit = 1 pc.	Rear panel closed IP55 Article No. per unit unit = 1 pc.	Separation panel sect./sect. Article No. per unit unit = 1 pc.	Separation panel section/section depth 200mm Article No. per unit unit = 1 pc.
XBBB04 283859	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2004** 284360 122351*	**XTSZRV4-W425** 172524 186416*	**XSWC2004** 284355 122346*	**XPSS2008** 284179	-
XBBB06 283860	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2006** 284361 122352*	**XTSZRV4-W600** 172525 186417*	**XSWC2006** 284356 122347*	**XPSS2008** 284179	-
XBBB08 283861	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2008** 284362 122353*	**XTSZRV4-W800** 172526 186418*	**XSWC2008** 284357 122348*	**XPSS2008** 284179	-
XBBB085 143187	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV20085** 143417 143553*	-	**XSWC20085** 143416 143552*	**XPSS2008** 284179	-
XBBB10 283862	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2010** 284363 122354*	**XTSZRV4-W100** 172520 186412*	**XSWC2010** 284358 122349*	**XPSS2008** 284179	-
XBBB11 133098	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2011** 133002 133050*	**XTSZRV4-W110** 172521 186413*	**XSWC2011** 133000 133048*	**XPSS2008** 284179	-
XBBB12 283863	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV2012** 284364 122355*	**XTSZRV4-W120** 172522 186414*	**XSWC2012** 284359 122350*	**XPSS2008** 284179	-
XBBB135 133099	**XBSP** 283872	**XSAF200108** 289909 122390*	-	**XSWV20135** 133003 133051*	**XTSZRV4-W135** 172523 186415*	**XSWC20135** 133001 133049*	**XPSS2008** 284179	-

Note * Finish in special RAL colour

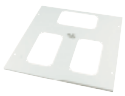


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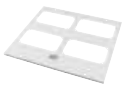
4	4	5	5	5	5	5	5	5	5
Side panel IP55 Article No. per unit unit = 2 pc.	Side panel depth 200mm IP55 Article No. per unit unit = 2 pc.	Top panel bottom panel of sev. parts IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel of sev. parts 2 openings depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel ventilated IP31 Article No. per unit unit = 1 pc.ur	Top panel bottom panel closed IP55 Article No. per unit = 1 pc.	Top panel bottom panel closed depth 200mm IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with flanges IP55 Article No. per unit unit = 1 pc.	Top panel with arc fault prot., depth 400-800mm IP30 Article No. per unit unit = 1 pc.	Top panel bottom p. f. corner s. IP55 Article No. per unit unit = 1 pc.
XAW2008 283858 122120*	-	**XSPBM0408** 284288 122303*	-	**XAD0408** 283486 122078*	**XSPTC0408** 284303 122318*	-	**XSPTF0408** 284318 122333*	**XSPTA0408** 107258	-
XAW2008 283858 122120*	-	**XSPBM0608** 284291 122306*	-	**XAD0608** 283489 122081*	**XSPTC0608** 284306 122321*	-	**XSPTF0608** 284321 122336*	**XSPTA0608** 107281	-
XAW2008 283858 122120*	-	**XSPBM0808** 284294 122309*	**XSPBM0808-1** 104534 122426*	**XAD0808** 283812 122084*	**XSPTC0808** 284309 122324*	-	**XSPTF0808** 284324 122339*	**XSPTA0808** 107284	-
XAW2008 283858 122120*	-	**XSPBM08508** 143368 143504*	-	**XAD08508** 143292 143428*	**XSPTC08508** 143394 143530*	-	**XSPTF08508** 143407 143543*	**XSPTA08508** 143381	-
XAW2008 283858 122120*	-	**XSPBM1008** 104530 122422*	**XSPBM1008-1** 284297 122312*	**XAD1008** 283815 122087*	**XSPTC1008** 284312 122327*	-	**XSPTF1008** 284327 122342*	**XSPTA1008** 107287	-
XAW2008 283858 122120*	-	**XSPBM1108** 133008 133056*	-	**XAD1108** 133010 133058*	**XSPTC1108** 133004 133052*	-	**XSPTF1108** 133006 133054*	**XSPTA1108** 133016	-
XAW2008 283858 122120*	-	**XSPBM1208** 104532 122424*	**XSPBM1208-1** 284300 122315*	**XAD1208** 283817 122089*	**XSPTC1208** 284315 122330*	-	**XSPTF1208** 284330 122345*	**XSPTA1208** 107290	-
XAW2008 283858 122120*	-	**XSPBM13508** 133009 133057*	-	**XAD13508** 133011 133059*	**XSPTC13508** 133005 133053*	-	**XSPTF13508** 133007 133055*	**XSPTA13508** 133017	-

Note * Finish in special RAL colour

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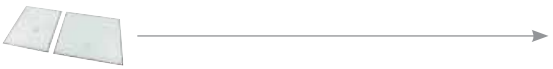
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5	5	5	6	6	6	6	6	6
XF	XW		General articles					
Top panel Bottom panel with flange depth 600-800mm IP55 Article No. per unit unit = 1 pc.	Top panel of sev. parts IP30 Article No. per unit unit = 1 pc.	Cover plate for flanges IP55 Article No. per unit unit = 1 pc.	Top panel with foam pad 40mm, section depth 425-1350mm IP20 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, section depth 400-800mm IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section depth 400-800mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm section depth 400-800mm no foam pad IP20 Article No. per unit unit = 1 pc.
-	-	-	**XSPBA0401** 107679	**XSPBA0108** 107686 122537*	**XSPBAC0401** 107687	**XSPBAC0402** 107692	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF0608-XF 121441 122627*	-	-	**XSPBA0601** 107680	**XSPBA0108** 107686 122537*	**XSPBAC0601** 107688	**XSPBAC0602** 107693	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF0808-XF 121443 122629*	-	-	**XSPBA0801** 107681	**XSPBA0108** 107686 122537*	**XSPBAC0801** 107689	**XSPBAC0802** 107694	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA08501** 143355	**XSPBA0108** 107686 122537*	**XSPBAC08501** 143358	**XSPBAC08502** 143359	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF1008-XF 121445 122631*	**XSPBM1008-MC** 158122 186386*	**XSPTF1008-MC** 158118 186382*	**XSPBA1001** 107682	**XSPBA0108** 107686 122537*	**XSPBAC1001** 107690	**XSPBAC1002** 107695	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA1101** 143356	**XSPBA0108** 107686 122537*	**XSPBAC1101** 143360	**XSPBAC1102** 143361	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF1208-XF 121447 122633*	**XSPBM1208-MC** 158123 186387*	**XSPTF1208-MC** 158119 186383*	**XSPBA1201** 107683	**XSPBA0108** 107686 122537*	**XSPBAC1201** 107691	**XSPBAC1202** 107696	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA13501** 143357	**XSPBA0108** 107686 122537*	**XSPBAC13501** 143362	**XSPBAC13502** 143363	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*

Note * Finish in special RAL colour



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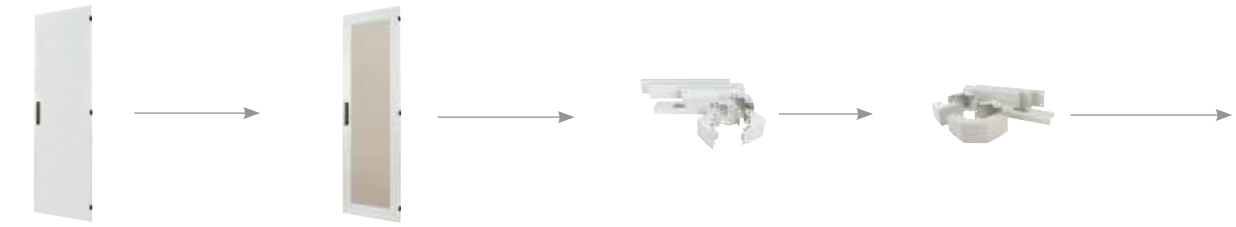


wa_vt65013 wa_vt34213 VT22613 VT10513

6	6	6	6	7	7	7	7
	XF	PIFT		General parts			
Bottom panel galvan. 3mm sect. depth 400-800mm IP55 Article No. per unit unit = 1 pc.	Bottom panell galvan. 3mm for XF sect. section depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sections section depth 400-800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sect. with door to switchgear a. sect. depth 600-800mm IP55 Article No. per unit unit = 1 set	Section door ventilated left IP31 Article No. per unit unit = 1 pc.	Section door ventilated right IP31 Article No. per unit unit = 1 pc.	Section door ventilated left IP42 Article No. per unit unit = 1 pc.	Section door ventilated right IP42 Article No. per unit unit = 1 pc.
XSPBU0408 119919	-	-	-	**XSDMLV2004** 284209 122255*	**XSDMRV2004** 284218 122264*	**XTSZDSKV4L-H2000W425** 172497 186389*	**XTSZDSKV4R-H2000W425** 172500 186392*
XSPBU0608 119920	**XSPBU0608-42** 119932 **XSPBU0808-62** 119933	-	-	**XSDMLV2006** 284210 122256*	**XSDMRV2006** 284219 122265*	**XTSZDSKV4L-H2000W600** 172498 186390*	**XTSZDSKV4R-H2000W600** 172501 186393*
XSPBU0808 119921	**XSPBU0808-44** 119934	-	-	**XSDMLV2008** 284211 122257*	**XSDMRV2008** 284220 122266*	**XTSZDSKV4L-H2000W800** 172499 186391*	**XTSZDSKV4R-H2000W800** 172502 186394*
XSPBU08508 143217	-	-	-	**XSDMLV20085** 143338 143474*	**XSDMRV20085** 143339 143475*	-	-
XSPBU1008 119922	**XSPBU1008-64** 119935	**XSPBU1008-64-S** 119936	**XSPBU1008-73-S** 119937	**XSDMLV2010** 284212 122258*	**XSDMRV2010** 284221 122267*	**XTSZDSKV4L-H2000W1000** 172701 186428*	**XTSZDSKV4R-H2000W1000** 172702 186292*
XSPBU1108 143222	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1100** 172503 186395*
XSPBU1208 119923	-	**XSPBU1208-66-S** 119938	**XSPBU1208-75-S** 119939	-	**XSDMRV2012** 284222 122268*	-	**XTSZDSKV4S-H2000W1200** 172504 186396*
XSPBU13508 143227	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1350** 172505 186397*

Note * Finish in special RAL colour

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7	7	7	7	2	2	2	2
Section door closed can be used left of right IP55 Article No. per unit unit = 1 pc.	Section door closed double-wing IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used left or right IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used for double-wing door IP55 Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 100mm Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 200mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 100mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 200mm Article No. per unit unit = 1 pc.
XSDMC2004 284198 122244*	-	**XSDMD2004** 284203 122249*	-	**XAP010408** 283824 122092*	**XAP020408** 283838 122106*	-	-
XSDMC2006 284199 122245*	-	**XSDMD2006** 284204 122250*	-	**XAP010608** 283827 122095*	**XAP020608** 283841 122109*	-	-
XSDMC2008 284200 122246*	-	**XSDMD2008** 284701 122358*	-	**XAP010808** 283830 122098*	**XAP020808** 283844 122112*	**XAP010808C** 288869	**XAP020808C** 288892
XSDMC20085 143330 143466*	-	**XSDMC20085** 143330 143469*	-	**XAP0108508** 143306 143442*	**XAP0208508** 143319 143455	-	-
XSDMC2010 284201 122247*	**XSDMC2010-S** 132952 171669*	-	**XSDMD2010-S** 143334 143470*	**XAP011008** 283833 122101*	**XAP021008** 283847 122115*	-	-
-	**XSDMC2011-S** 143331 143467*	-	**XSDMD2011-S** 143335 143471*	**XAP011108** 133012 133060*	**XAP021108** 133014 133062*	-	-
-	**XSDMC2012-S** 284202 122248*	-	**XSDMD2012-S** 143336 143472*	**XAP011208** 283835 122103*	**XAP021208** 283849 122117*	-	-
-	**XSDMC20135-S** 143332 143468*	-	**XSDMD20135-S** 143337 143473*	**XAP0113508** 133013 133061*	**XAP0213508** 133015 133063*	-	-

Note * Finish in special RAL colour

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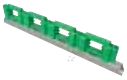
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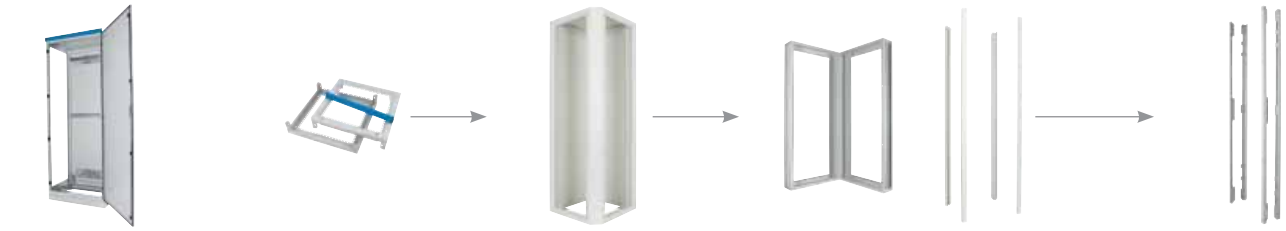
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12	12	12	12	13	14	15	
Plinth for add-on frame frame width 75 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 75 mm H = 200 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 200 mm Article No. per unit unit = 1 pair	Cable strain relief rail Article No. per unit unit = 1 pc.	Fixing bracket for cable strain relief rail Article No. per unit unit = 1 pair	Rail holder for main busbar Article No. per unit unit = 1 set	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR04** 283850	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR06** 283851	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR08** 283852	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR085** 143183	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR10** 283853	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR11** 133076	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR12** 283854	**XNBW-R2** 106740	see page xx	
XAP0101AF 289950 122391*	**XAP0201AF** 289951 122392*	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*	**XAR135** 133077	**XNBW-R2** 106740	see page xx	

Note * Finish in special RAL colour

Notes

xEnergy Main Switchboards - General Overview, Section Depth 1000 mm



wa_vt75013 wa_vt28313 VT10309 VT00111 VT10109 VT00811

Item numbers of the exploded pictorial view			1	1	1	1	1	1	1	1
			General articles							
	Section width mm	Section depth mm	Frame depth 800mm Article No. per unit unit = 1 set	Frame 5000A depth 200mm Article No. per unit unit = 1 set	Corner sect. H=2000mm W=650mm D=600mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. H=2000mm W=850mm D=800mm incl. rear and top panel Article No. per unit unit = 1 set	Corner sect. extension set 1050x1050 for 5000 A application Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles Article No. per unit unit = 1 set	Height profile consisting of 4 vertical profiles for Box Solution Article No. per unit unit = 1 set	Height profile sect. add-on for 5000A appl. consisting of 4 vertical profiles Article No. per unit unit = 1 set
	425	1000	**XSFB0408** 284233 122276*	**XSFB0402** 150464 151686*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	600	1000	**XSFB0608** 284236 122279*	**XSFB0602** 150465 151687*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	800	1000	**XSFB0808** 284239 122282*	**XSFB0802** 150466 151688*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	850	1000	**XSFB08508** 143346 143482*	**XSFB08502** 150467 151689*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	1000	1000	**XSFB1008** 284242 122285*	**XSFB1002** 150468 151690*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	1100	1000	**XSFB1108** 132991 133039*	**XSFB1102** 150469 151691*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	1200	1000	**XSFB1208** 284244 122287*	**XSFB1202** 150480 151692*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*
	1350	1000	**XSFB13508** 132992 133040*	**XSFB13502** 150481 151693*	-	-	**XSC200808-E10** 150522 151725*	**XSFH20** 284245 122281*	**XTSPFH-H2000** 173053 186352*	**XSFH20-I-D** 150482 151694*

Note * Finish in special RAL colour

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VT22313


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VT07906

8	9	10	10	3	3	3	11	11
Crossbar for rail holder Article No. per unit unit = 1 pc.	Rail holder for PEN Article No. per unit unit = 1 pc.	Add-on frame (section width 75mm) Article No. per unit unit = 1 pc.	Add-on frame (section width 150mm) for 5000A application Article No. per unit unit = 1 pc.	Rear panel ventilated IP31 Article No. per unit unit = 1 pc.	Rear panel ventilated IP42 Article No. per unit unit = 1 pc.	Rear panel closed IP55 Article No. per unit unit = 1 pc.	Separation panel section/section depth 800mm Article No. per unit unit = 1 pc.	Separation panel section/section depth 200mm Article No. per unit unit = 1 pc.
XBBB04 283859	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2004** 284360 122351*	**XTSZRV4-W425** 172524 186416*	**XSWC2004** 284355 122346*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB06 283860	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2006** 284361 122352*	**XTSZRV4-W600** 172525 186417*	**XSWC2006** 284356 122347*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB08 283861	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2008** 284362 122353*	**XTSZRV4-W800** 172526 186418*	**XSWC2008** 284357 122348*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB085 143187	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV20085** 143417 143553*	-	**XSWC20085** 143416 143552*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB10 283862	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2010** 284363 122354*	**XTSZRV4-W1000** 172520 186412*	**XSWC2010** 284358 122349*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB11 133098	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2011** 133002 133050*	**XTSZRV4-W1100** 172521 186413*	**XSWC2011** 133000 133048*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB12 283863	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV2012** 284364 122355*	**XTSZRV4-W1200** 172522 186414*	**XSWC2012** 284359 122350*	**XPSS2008** 284179	**XPSS2002** 150495
XBBB135 133099	**XBSP** 283872	-	**XSAF2000-150-1000** 150493 151703*	**XSWV20135** 133003 133051*	**XTSZRV4-W1350** 172523 186415*	**XSWC20135** 133001 133049*	**XPSS2008** 284179	**XPSS2002** 150495

Note * Finish in special RAL colour

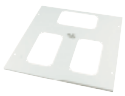


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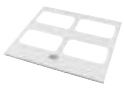
4	4	5	5	5	5	5	5	5	5
Side panel sect. depth 800mm IP55 Article No. per unit unit = 2 pc.	Side panel sect. depth 200mm IP55 Article No. per unit unit = 2 pc.	Top panel bottom panel of sev. parts depth 800mm IP30 Article No. per unit unit = 1 pc.	Top panel bottom panel of sev. parts 2 openings depth 800mm IP30 Article No. per unit unit = 1 pc.	Top panel ventilated depth 800 mm IP31 Article No. per unit unit = 1 pc.	Top panel bottom panel closed depth 800mm IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel closed depth 200mm IP55 Article No. per unit unit = 1 pc.	Top panel bottom panel with flanges depth 800mm IP55 Article No. per unit unit = 1 pc.	Top panel with arc fault protection, section depth 800mm Article No. per unit unit = 1 pc.	Top panel bottom p. for corner s. IP55 Article No. per unit unit = 1 pc.
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**-**	**XAD0408** 283486 122078*	**XSPTC0408** 284303 122318*	**XSPTC0402** 150483 151695*	**XSPTF0408** 284318 122333*	**XSPTA0408** 107258	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**-**	**XAD0608** 283489 122081*	**XSPTC0608** 284306 122321*	**XSPTC0602** 150484 151696*	**XSPTF0608** 284321 122336*	**XSPTA0608** 107281	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**XSPBM0808-1** 104534 122426*	**XAD0808** 283812 122084*	**XSPTC0808** 284309 122324*	**XSPTC0802** 150485 151697*	**XSPTF0808** 284324 122339*	**XSPTA0808** 107284	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**-**	**XAD08508** 143292 143428*	**XSPTC08508** 143394 143530*	**XSPTC08502** 150486 151698*	**XSPTF08508** 143407 143543*	**XSPTA08508** 143381	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**XSPBM1008-1** 284297 122312*	**XAD1008** 283815 122087*	**XSPTC1008** 284312 122327*	**XSPTC1002** 150487 151699*	**XSPTF1008** 284327 122342*	**XSPTA1008** 107287	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**-**	**XAD1108** 133010 133058*	**XSPTC1108** 133004 133052*	**XSPTC1102** 150488 151700*	**XSPTF1108** 133006 133054*	**XSPTA1108** 133016	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**XSPBM1208-1** 284300 122315*	**XAD1208** 283817 122089*	**XSPTC1208** 284315 122330*	**XSPTC1202** 150489 151701*	**XSPTF1208** 284330 122345*	**XSPTA1208** 107290	**-**
XAW2008 283858 122120*	**XAW2002** 150494 151706*	**XSPBM0408** 284288 122303*	**-**	**XAD13508** 133011 133059*	**XSPTC13508** 133005 133053*	**XSPTC13502** 150490 151702*	**XSPTF13508** 133007 133055*	**XSPTA13508** 133017	**-**

Note * Finish in special RAL colour

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wa_vt14113

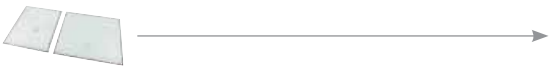
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5	5	5	6	6	6	6	6	6
XF	XW		General articles					
Top panel bottom panel with flange sect. depth 800mm IP55 Article No. per unit unit = 1 pc.	Top panel of sev. parts sect. depth 800mm IP30 Article No. per unit unit = 1 pc.	Cover plate for flanges sect. depth 800mm IP55 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, section depth 425-1350mm IP20 Article No. per unit unit = 1 pc.	Bottom panel with foam pad 40mm, section depth 800mm IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm section width 425-1350mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35mm section depth 800mm no foam pad IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110mm section depth 800mm no foam pad IP20 Article No. per unit unit = 1 pc.
-	-	-	**XSPBA0401** 107679	**XSPBA0108** 107686 122537*	**XSPBAC0401** 107687	**XSPBAC0402** 107692	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF0608-XF 121441 122627*	-	-	**XSPBA0601** 107680	**XSPBA0108** 107686 122537*	**XSPBAC0601** 107688	**XSPBAC0602** 107693	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF0808-XF 121443 122629*	-	-	**XSPBA0801** 107681	**XSPBA0108** 107686 122537*	**XSPBAC0801** 107689	**XSPBAC0802** 107694	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA08501** 143355	**XSPBA0108** 107686 122537*	**XSPBAC08501** 143358	**XSPBAC08502** 143359	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF1008-XF 121445 122631*	**XSPBM1008-MC** 158122 186386*	**XSPTF1008-MC** 158118 186382*	**XSPBA1001** 107682	**XSPBA0108** 107686 122537*	**XSPBAC1001** 107690	**XSPBAC1002** 107695	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA1101** 143356	**XSPBA0108** 107686 122537*	**XSPBAC1101** 143360	**XSPBAC1102** 143361	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
XSPTF1208-XF 121447 122633*	**XSPBM1208-MC** 158123 186387*	**XSPTF1208-MC** 158119 186383*	**XSPBA1201** 107683	**XSPBA0108** 107686 122537*	**XSPBAC1201** 107691	**XSPBAC1202** 107696	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*
-	-	-	**XSPBA13501** 143357	**XSPBA0108** 107686 122537*	**XSPBAC13501** 143362	**XSPBAC13502** 143363	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702 122553*

Note * Finish in special RAL colour

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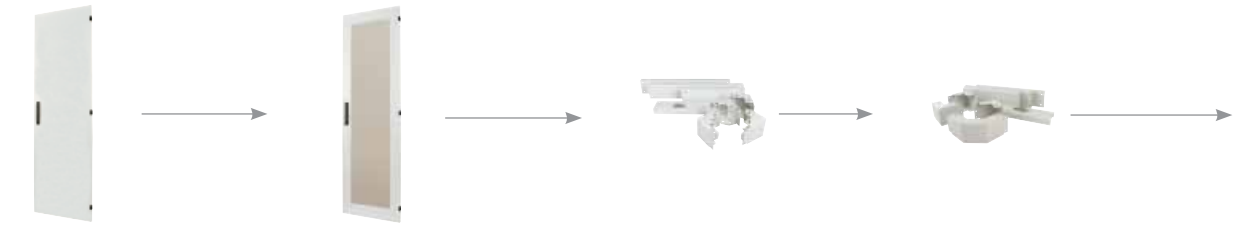


wa_vt65013 wa_vt34213 VT22613 VT10513

6	6	6	6	7	7	7	7
	XF	PIFT		General parts			
Bottom panel galvan. 3mm sect. depth 800mm IP55 Article No. per unit unit = 1 pc.	Bottom panel galvan. 3mm for XF sect. sect. depth 800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sect. section depth 800mm IP55 Article No. per unit unit = 1 set	Bottom panel galvan. 3mm for PIFT sect.with door to switchgear a. section depth 800mm IP55 Article No. per unit unit = 1 set	Section door ventilated left IP31 Article No. per unit unit = 1 pc.	Section door ventilated right IP31 Article No. per unit unit = 1 pc.	Section door ventilated left IP42 Article No. per unit unit = 1 pc.	Section door ventilated right IP42 Article No. per unit unit = 1 pc.
XSPBU0408 119919	-	-	-	**XSDMLV2004** 284209 122255*	**XSDMRV2004** 284218 122264*	**XTSZDSKV4L-H2000W425** 172497 186389*	**XTSZDSKV4R-H2000W425** 172500 186392*
XSPBU0608 119920	**XSPBU0608-42** 119932	-	-	**XSDMLV2006** 284210 122256*	**XSDMRV2006** 284219 122265*	**XTSZDSKV4L-H2000W600** 172498 186390*	**XTSZDSKV4R-H2000W600** 172501 186393*
XSPBU0808 119921	**XSPBU0808-44** 119934	-	-	**XSDMLV2008** 284211 122257*	**XSDMRV2008** 284220 122266*	**XTSZDSKV4L-H2000W800** 172499 186391*	**XTSZDSKV4R-H2000W800** 172502 186394*
XSPBU08508 143217	-	-	-	**XSDMLV20085** 143338 143474*	**XSDMRV20085** 143339 143475*	-	-
XSPBU1008 119922	**XSPBU1008-64** 119935	**XSPBU1008-64-S** 119936	**XSPBU1008-73-S** 119937	**XSDMLV2010** 284212 122258*	**XSDMRV2010** 284221 122267*	**XTSZDSKV4L-H2000W1000** 172701 186428*	**XTSZDSKV4R-H2000W1000** 172702 186292*
XSPBU1108 143222	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1100** 172503 186395*
XSPBU1208 119923	-	**XSPBU1208-66-S** 119938	**XSPBU1208-75-S** 119939	-	**XSDMRV2012** 284222 122268*	-	**XTSZDSKV4S-H2000W1200** 172504 186396*
XSPBU13508 143227	-	-	-	-	-	-	**XTSZDSKV4S-H2000W1350** 172505 186397*

Note * Finish in special RAL colour

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wa_vt71113 wa_vt65113 VT08106 wa_vt66713

7	7	7	7	2	2	2	2
Section door closed can be used left or right IP55 Article No. per unit unit = 1 pc.	Section door closed double-wing IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used left or right IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) can be used for double-wing door IP55 Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 100mm Article No. per unit unit = 1 pc.	Plinth width 425-1350mm depth 400 - 1000mm H = 200mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 100mm Article No. per unit unit = 1 pc.	Plinth for corner sections H = 200mm Article No. per unit unit = 1 pc.
XSDMC2004 284198 122244*	-	**XSDMD2004** 284203 122249*	-	**XAP010410** 150496 151707*	**XAP020410** 150504 151715*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
XSDMC2006 284199 122245*	-	**XSDMD2006** 284204 122250*	-	**XAP010610** 150497 151708*	**XAP020610** 150505 151716*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
XSDMC2008 284200 122246*	-	**XSDMD2008** 284701 122358*	-	**XAP010810** 150498 151709*	**XAP020810** 150506 151717*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
XSDMC20085 143330 143466*	-	**XSDMC20085** 143330 143469*	-	**XAP0108510** 150499 151710*	**XAP0208510** 150507 151718*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
XSDMC2010 284201 122247*	**XSDMC2010-S** 132952 171669*	-	**XSDMD2010-S** 143334 143470*	**XAP011010** 150500 151711*	**XAP021010** 150508 151719*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
-	**XSDMC2011-S** 143331 143467*	-	**XSDMD2011-S** 143335 143471*	**XAP011110** 150501 151712*	**XAP021110** 150509 151720*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
-	**XSDMC2012-S** 284202 122248*	-	**XSDMD2012-S** 143336 143472*	**XAP011210** 150502 151713*	**XAP021210** 150510 151721*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
-	**XSDMC20135-S** 143332 143468*	-	**XSDMD20135-S** 143337 143473*	**XAP0113510** 150503 151714*	**XAP0213510** 150511 151722*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*

Note * Finish in special RAL colour

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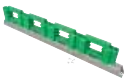
wa_vt69513



wa_vt15013



wa_vt58313



wa_vt33413

12	12	12	12	13	14	15	
Plinth for add-on frame frame width 75 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 75 mm H = 200 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frame frame width 150 mm H = 200 mm Article No. per unit unit = 1 pair	Cable strain relief rail Article No. per unit unit = 1 pc.	Fixing bracket for cable strain relief rail Article No. per unit unit = 1 pair	Rail holder for main busbar Article No. per unit unit = 1 set	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	
-	-	-	-	**XAR135** 133077	**XNBW-R2** 106740	see page xx	

Note * Finish in special RAL colour

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XP = Power sections

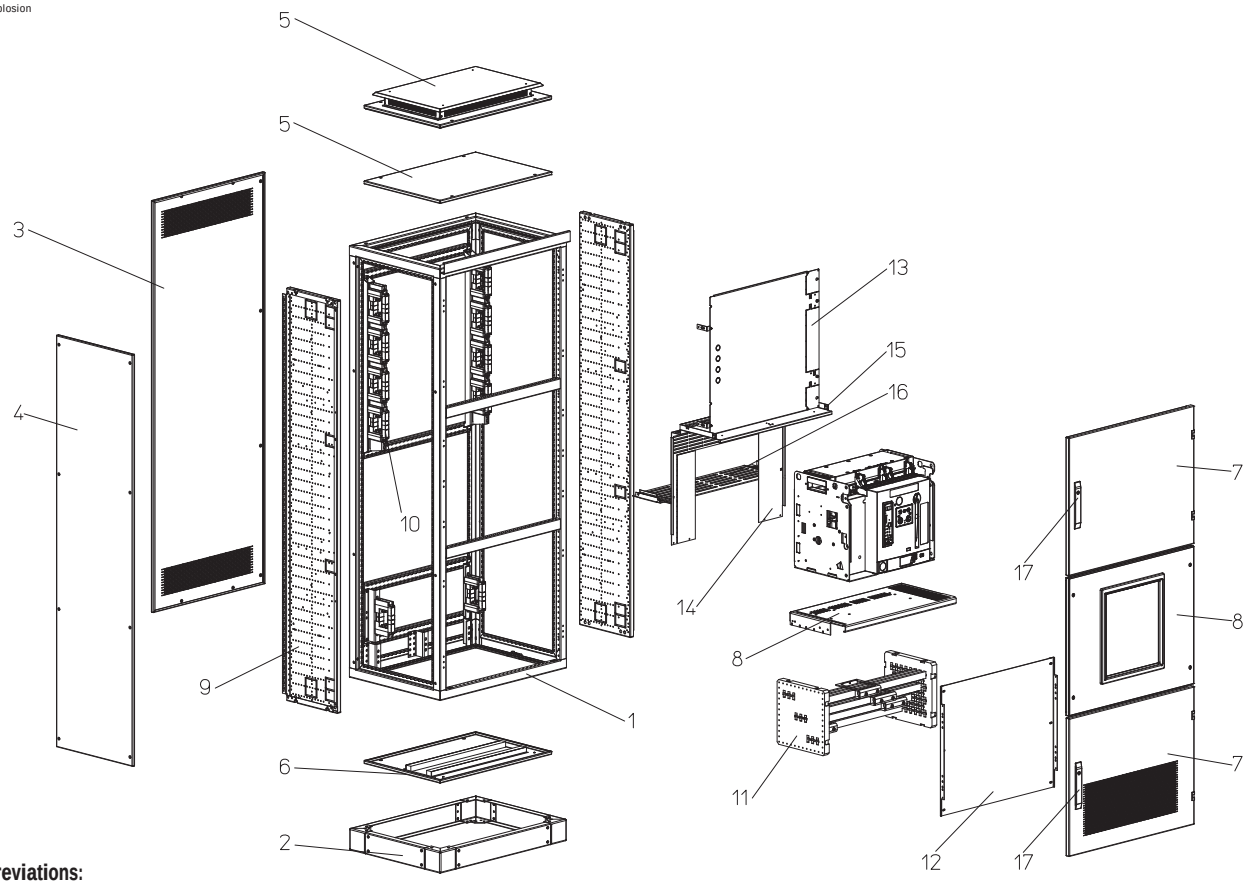
IZMX16 . . . . . Page xx
IZMX40 . . . . . Page xx
IZM63 . . . . . Page xx
NZM4 in Form 2. . . . . Page xx
NZM3/4 in Form 4 . . . . . Page xx

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Notes

XP Section IZM; IZMX16, IZMX40, IZM26 up to 5000 A

IZM_Explosion



Abbreviations:

EVEN . . . . . Main busbars and connection area are on the same side
OPPO . . . . . Main busbars and connection area are opposite each other
UK . . . . . 3P&N (for UK market)

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Fitting kit
9 Universal mounting plate
10 Main busbar support
11 Cable connection system
12 PVC cover
13 Partition main busbar area/switchgear area (mounting plate)
14 Partition main busb. area/switchg. area
15 Partition switchgear area/switchgear area
16 Partition main busbar area/connection a.
17 Lock mechanism

Features

- widths of 425/600/800/1000/1100/1200 mm
- fixed or withdrawable design
- 3 or 4 poles
- with another main busbar suitable as a coupling section
- 800-4000 A
- Form 4
- IP31, IP55 with protective cover
- suitable for drill-free cable connection, for top and bottom installation
- to be operated from outside
- suitable for switchgear with remote operation

Frame comes with a blue design strip.
Doors include a locking system for a 3 mm two-way key bit.
All parts are pre-drilled and include all fixing materials.
For IP55 a protective cover needs to be ordered in addition.
If you use a counter-locking system, please make sure the fitting kit is sufficient!
Where cover plates of several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

Notes

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XP Section Incoming Supply IZMX16, Rear-mounted Main Busbars (HSS)



wa_vt76213

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Cut-out in the cover	Connection type	Mechanical locking [1]	Projection over front edge mm
Circuit breaker IZMX16										
IZMX16	42	1600	600	425	3	F	Center	OPPO/EVEN	no	0
				600	3+4	F	Center	OPPO/EVEN	no	0
				425	3	W	Center	OPPO/EVEN	no	0
				600	3+4	W	Center	OPPO/EVEN	no	0
			800	425	3	F	Center	OPPO/EVEN	no	0
				600	3+4	F	Center	OPPO/EVEN	no	0
				425	3	W	Center	OPPO/EVEN	no	0
				600	3+4	W	Center	OPPO/EVEN	no	0

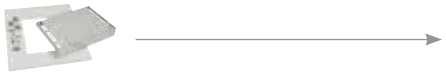
Note

[1] As it is impossible to present all configuration options for the IZM 26 series with cross-locking, it may be necessary to select a suitable fitting kit from the list of „Configurations for the IZM 26 series“ on page xx.

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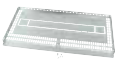
Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kits for IZM Article No. per unit	Fitting kits for IZM with modular doors Article No. per unit	Add-on frame in combi-nation with protective cover Article No. per unit	Protective cover necessary for IP 55 Article No. per unit
XSMIB20 284257	**XMI16/3+4/04/ 06/F__/E+O** 132970 133018*	**XMI16/3__/04/ 06/F__/E+O/D** 134441 134462*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3+4/06/ 06/F__/E+O** 132971 133019*	**XMI16/3+4/06/ 06/F__/E+O/D** 134442 134463*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3__/04/ 06/__W/E+O** 132972 133020*	**XMI16/3__/04/ 06/__W/E+O/D** 134443 134464*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3+4/06/ 06/__W/E+O** 132973 133021*	**XMI16/3+4/06/ 06/__W/E+O/D** 134444 134465*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3+4/04/ 06/F__/E+O** 132970 133018*	**XMI16/3__/04/ 06/F__/E+O/D** 134441 134462*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3+4/06/ 06/F__/E+O** 132971 133019*	**XMI16/3+4/06/ 06/F__/E+O/D** 134442 134463*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3__/04/ 06/__W/E+O** 132972 133020*	**XMI16/3__/04/ 06/__W/E+O/D** 134443 134464*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289
XSMIB20 284257	**XMI16/3+4/06/ 06/__W/E+O** 132973 133021*	**XMI16/3+4/06/ 06/__W/E+O/D** 134444 134465*	**XMIX16-XDT** 168119 168120*	**IZM-DC-F** 124289

Note * Finish in special RAL colour

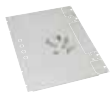
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VT23509


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Front-Cover closed without cut-out Article No. per unit	Partition connection/ main busbar centre Article No. per unit	Partition switchgear/ switchgear/ top Article No. per unit	Partition switchgear/ connection/ main busbar rear Drawer unit Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit	Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit
XMC0604 102945 122417*	**XPIXBCB-H0402** 133087	**XPMMB0402** 135263	**XPIXFBMCB0604** 151674	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-96** 112317 122607*
XMC0606 102946 122418*	**XPIXBCB-H0602** 133089	**XPMMB0602** 135264	**XPIXFBMCB0606** 151675	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-96** 112318 122608*
XMC0604 102945 122417*	**XPIXBCB-H0402** 133087	**XPMMB0402** 135263	**XPIXBMCB0604** 135261	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-96** 112317 122607*
XMC0606 102946 122418*	**XPIXBCB-H0602** 133089	**XPMMB0602** 135264	**XPIXBMCB0606** 135262	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-96** 112318 122608*
XMC0604 102945 122417*	**XPIXBCB-H0404** 133088	**XPMMB0402** 135263	**XPIXFBMCB0604** 151674	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-96** 112317 122607*
XMC0606 102946 122418*	**XPIXBCB-H0604** 133090	**XPMMB0602** 135264	**XPIXFBMCB0606** 151675	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-96** 112318 122608*
XMC0604 102945 122417*	**XPIXBCB-H0404** 133088	**XPMMB0402** 135263	**XPIXBMCB0604** 135261	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-96** 112317 122607*
XMC0606 102946 122418*	**XPIXBCB-H0604** 133090	**XPMMB0602** 135264	**XPIXBMCB0606** 135262	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-96** 112318 122608*

Note * Finish in special RAL colour

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wa_vt65413



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Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit	
XSDMC0604-1-144 112327 122612*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*	
XSDMC0606-1-144 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0604-1-144 112327 122612*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*	
XSDMC0606-1-144 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0604-1-144 112327 122612*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*	
XSDMC0606-1-144 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0604-1-144 112327 122612*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*	
XSDMC0606-1-144 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	

Note

* Finish in special RAL colour

[1] With cellular rubber sealing. For inserting large cable cross sections, additional measures may be required to ensure the degree of protection.


IZMX16 Components

Overview of fitting kits for IZMX16

Including base plate, front plate, fastening bracket and fastening material.



VT21809

Version 1: Fixed installation type
Version 2: Withdrawable
Version 3: Fixed, incl. mechanical locking
Version 4: Withdrawable, incl. mechanical lcoking
Version 5: Withdrawable, incl. position indicator
O = OPPO
E = EVEN

Key: XMI16/3+4/06/08/F+W/E+O

- Type
- Size of c.b.
- Number of poles
- Width of section
- Depth of section
- Installation type
- Connection type

Fitting kit Article No. per unit	Fitting kit with modular door Article No. per unit	Poles OPPO/EVEN Version	301	302	303	304	305	3E1	3E2	3E3	3E4	3E5	401	402	403	404	405	4E1	4E2	4E3	4E4	4E5
Cicuit breaker IZMX 16																						
XMI16/3__/04/06/F__/E+O 132970 133018*	**XMI16/3__/04/06/F__/E+O/D** 134441 134462*		X					X														
XMI16/3+4/06/06/F__/E+O 132971 133019*	**XMI16/3+4/06/06/F__/E+O/D** 134442 134463*		X		X			X		X			X		X			X		X		
XMI16/3__/04/06/__W/E+O 132972 133020*	**XMI16/3__/04/06/__W/E+O/D** 134443 134464*			X					X													
XMI16/3+4/06/06/__W/E+O 132973 133021*	**XMI16/3+4/06/06/__W/E+O/D** 134444 134465*			X		X			X		X			X		X			X		X	

Note * Finish in special RAL colour

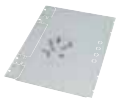
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Accessories for XP Sections (IZMX16), Internal Separation

Separation panels / Mounting plates



wa_vt62813



wa_vt34313

Section width mm	Swivel-mounted separation panel switchgear a./ busbar area suitable for NZM3+4 IZM13 Article No. per unit	Partition switchgear a./ busbar area/ (mounting plate) Form 2/4 suitable for NZM3+4 IZMX16 IZMX40 Article No. per unit	
425	**XPBMB0604-ROT** 112312	**XPBMB0604** 284107	
600	**XPBMB0606-ROT** 112313	**XPBMB0606** 284108	

Separation panels for EVEN type of connection (on the same side)



VT01009

Section width mm	Partition between incoming supply copper and connection copper on main busbar with IZMX16 Form 4 Article No. per unit	
425	**XPIXBCB-E-04** 151676	
600	**XPIXBCB-E-06** 151677	

Partitions



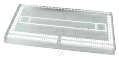
wa_vt71313



wa_vt70113



wa_vt70513



wa_vt62413

Section width mm	Partition busbar area/ connection area (for IZMX16) section depth 600 mm Form 2/4 Article No. per unit	Partition busbar area/ connection a. (for IZMX16) section depth 800 mm Form 2/4 Article No. per unit	Partition busbar area/ switchgear area (for IZMX16) Form 2/4 withdrawable Article No. per unit	Partition busbar area/ switchgear area (for IZMX16) Form 2/4 fixed Article No. per unit	Partition connection area plexiglass cover Form 4 Article No. per unit	Partition switchgear area/ switchgear area/ Form 4 Article No. per unit
425	**XPIXBCB-H-0402** 133087	**XPIXBCB-H-0404** 133088	**XPIXMCB0604** 135261	**XPIXFBMCB0604** 151674	**XPC0604** 284115	**XPMMB0402** 135263
600	**XPIXBCB-H-0602** 133089	**XPIXBCB-H-0604** 133090	**XPIXMCB0606** 135262	**XPIXFBMCB0606** 151675	**XPC0606** 284116	**XPMMB0602** 135264

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Accessories

Accessories



VT24209

Door sealing frame to cover the door cut-out for IZMX16 fixed (Accessory in scope of delivery) Article No. per unit	Door sealing frame to cover the door cut-out for IZMX16 withdrawable (Accessory in scope of delivery) Article No. per unit
IZMX-DEG16-F 124335	**IZMX-DEG16-W** 124390



wa_vt57313

Add-on frame in combi-nation with protective cover Article No. per unit
XMIX16-XDT 168119 168120*



wa_vt72713

Protective cover made of plexiglass for IP55 Article No. per unit
IZMX-DC-16 124289

Partition extension (5000A)



wa_vt71313

Section width mm	Partition extension for 5000 A application busbar area/ main busbar area/ (suitable for IZM and NZM) Article No. per unit
425	**XPIBCB-H-04019** 150514
600	**XPIBCB-H-06019** 150515

Snap-on covers



wa_vt33613

Section width mm	Snap-on cover without cut-out Article No. per unit
425	**XMC0604** 102945
600	**XMC0606** 102946

Note * Finish in special RAL colour

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XP Section Incoming Supply/Outgoing with 2xIZMX16, Rear-mounted Main Busbars (HSS)



wa_vt07914

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Cut-out in the cover	Connection type	Mechanical locking	Projection over front edge mm
Circuit breaker IZMX16										
IZMX 16	42	1600	600	800	3	F	-	OPPO	yes	0
				1000	4	F	-	OPPO	yes	0
				8000	3	W	-	OPPO	yes	0
				1000	4	W	-	OPPO	yes	0
			800	800	3	F	-	OPPO	yes	0
				1000	4	F	-	OPPO	yes	0
				800	3	W	-	OPPO	yes	0
				1000	4	W	-	OPPO	yes	0

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VT00109



VT68314



VT68114



wa_vt57313



wa_vt72713

Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kit incl. supporting plate rear/upper/bottom partition Article No. per unit	Snap-on panel Article No. per unit	Add-on frame in combi-nation with protective Article No. per unit	Protective cover necessary for IP 55 Article No. per unit	Partition/ partition plate vertical cable connection top Article No. per unit
XSMIB20 284257	**XMIX16W0802** 174557	**XMIX16F0802C** 174559	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-06** 177614
XSMIB20 284257	**ZMX16W1002** 174558	**XMIX16F1002C** 174560	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-06** 177614
XSMIB20 284257	**XMIX16W0802** 174557	**XMIX16W0802C** 174561	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-06** 177614
XSMIB20 284257	**ZMX16W1002** 174558	**XMIX16W1002C** 174562	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-06** 177614
XSMIB20 284257	**XMIX16W0802** 174557	**XMIX16F0802C** 174559	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-08** 177615
XSMIB20 284257	**ZMX16W1002** 174558	**XMIX16F1002C** 174560	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-08** 177615
XSMIB20 284257	**XMIX16W0802** 174557	**XMIX16W0802C** 174561	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-08** 177615
XSMIB20 284257	**ZMX16W1002** 174558	**XMIX16W1002C** 174562	**XMIX16-XDT** 168119 168120*	**IZM-DC16-F** 124289	**XPIX16CCB-T-08** 177615

Note * Finish in special RAL colour


VT65614


wa_vt70513


wa_vt71313


wa_vt70113


wa_vt65313


wa_vt63013


wa_vt63013


wa_vt65413


wa_vt65513

Partition/ partition plate vertical cable connection bottom Article No. per unit	Cover connection area Article No. per unit	Partition connection/ main busbar center Article No. per unit	Partition switchgear a./ main busbar mounting plates Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit	Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit	Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit
XPIX16CCB-B-06 174567	**XPC060802** 174569	**XPIXBCB-H-0802** 174563	**XPBMB0608-S** 174571	**XSDMC06008** 284196 122242*	**XSDMC0608-1-96** 113319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*
XPIX16CCB-B-06 174567	**XPC061002** 174570	**XPIXBCB-H-1002** 174564	**XPBMB0610-S** 174572	**XSDMC06010** 285506 122374*	**XSDMC0610-1-96** 113320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV06010** 132997 133045*	**XSDMLV0610** 285507 122375*
XPIX16CCB-B-06 174567	**XPC060802** 174569	**XPIXBCB-H-0802** 174563	**XPBMB0608-S** 174571	**XSDMC06008** 284196 122242*	**XSDMC0608-1-96** 113319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*
XPIX16CCB-B-06 174567	**XPC061002** 174570	**XPIXBCB-H-1002** 174564	**XPBMB0610-S** 174572	**XSDMC06010** 285506 122374*	**XSDMC0610-1-96** 113320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV06010** 132997 133045*	**XSDMLV0610** 285507 122375*
XPIX16CCB-B-08 174568	**XPC060802** 174569	**XPIXBCB-H-0804** 174565	**XPBMB0608-S** 174571	**XSDMC06008** 284196 122242*	**XSDMC0608-1-96** 113319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*
XPIX16CCB-B-08 174568	**XPC061002** 174570	**XPIXBCB-H-1004** 174566	**XPBMB0610-S** 174572	**XSDMC06010** 285506 122374*	**XSDMC0610-1-96** 113320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV06010** 132997 133045*	**XSDMLV0610** 285507 122375*
XPIX16CCB-B-08 174568	**XPC060802** 174569	**XPIXBCB-H-0804** 174565	**XPBMB0608-S** 174571	**XSDMC06008** 284196 122242*	**XSDMC0608-1-96** 113319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*
XPIX16CCB-B-08 174568	**XPC061002** 174570	**XPIXBCB-H-1004** 174566	**XPBMB0610-S** 174572	**XSDMC06010** 285506 122374*	**XSDMC0610-1-96** 113320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV06010** 132997 133045*	**XSDMLV0610** 285507 122375*

Note * Finish in special RAL colour

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IZMX16 Side/Side Components

Overview of fitting kits for IZMX16 – Side/Side

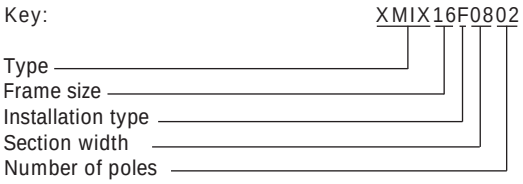
Incl. top/rear/bottom partition, incl. carrier plate and fixing material (not included: snap-on covers)



wa_vt68513

Section width mm	Installation type	Type Article No. per unit
800	Fixed	**XMIX16F0802** 174555
1000	Fixed	**XMIX16F1002** 174556
800	Withdrawable	**XMIX16W0802** 174557
1000	Withdrawable	**XMIX16W1002** 174558

Key:



Snap-on covers for IZMX16 – Side/Side

Incl. 2 snap-on covers, fixing brackets and screws



VT68114

Section width mm	Installation type	Type Article No. per unit
800	Fixed	**XMIX16F0802C** 174559
1000	Fixed	**XMIX16F1002C** 174560
800	Withdrawable	**XMIX16W0802C** 174561
1000	Withdrawable	**XMIX16W1002C** 174562

Vertical separation panel/partition for IZMX16 – Side/Side

Incl. vertical separation panel, vertical and horizontal carrier profiles, mounting blocks and all screws



VT65614

Section width mm	Installation type	Type Article No. per unit
800	Fixed Withdrawable	**XMIX16CCB-B-06** 174567
1000	Fixed Withdrawable	**XMIX16CCB-B-08** 174568

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Accessories



VT24209



wa_vt57313



wa_vt72713

	Door sealing frame to cover the door cut-out for IZMX16 fixed (Accessory in scope of delivery) Article No. per unit	Door sealing frame to cover the door cut-out for IZMX16 withdrawable (Accessory in scope of delivery) Article No. per unit	Add-on frame in combi-nation with protective cover Article No. per unit	Protective cover made of plexiglass for IP55 Article No. per unit
	IZMX-DEG16-F 124335	**IZMX-DEG16-W** 124390	**XMIX16-XDT** 168119 168120*	**IZMX-DC** 122926

Separation panel / Mounting plate

Consisting of 2 mounting plates, fixing brackets and screws

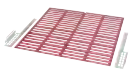


VT67714

Section width mm	Type Article No. per unit
800	**XPBMB0608-S** 174571
1000	**XPBMB0610-S** 174572

Partition Connection/Main Busbar (Centre)

Consisting of a horizontal separation panel, guidance bracket and screws



VT69914

Section width mm	Section depth mm	Type Article No. per unit
800	600	**XPIXBCB-H-0802** 174563
	800	**XPIXBCB-H-0804** 174565
1000	600	**XPIXBCB-H-1002** 174564
	800	**XPIXBCB-H-1004** 174566

Cover for Connection Area

Consisting of 2 plexiglass covers, 4 fixing brackets and screws



VT67514

Section width mm	Type Article No. per unit
800	**XPC060802** 174569
1000	**XPC061002** 174570

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Notes

XP Section Incoming Supply IZMX40, Rear-mounted Main Busbars (HSS), Section depth 600 mm



wa_vt76213

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Connection type	Mechanical locking	Projection over front edge mm
Circuit breaker IZMX40									
IZMX40	85	630-1600	600	600	3	W	EVEN	no	0
				800	3+4	W	EVEN	yes	0
				1000	3+4	W	EVEN	yes	0
		630-3200	600	600	3	F	OPPO	no	0
				800	3+4	F	OPPO	yes	0
				1000	3+4	F	OPPO	yes	0
				600	3	F	EVEN	no	0
				800	3+4	F	EVEN	yes	0
				1000	3+4	F	EVEN	yes	0
				600	3	W	OPPO	no	0
				800	3+4	W	OPPO	yes	0
				1000	3+4	W	OPPO	yes	0

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VT00109



VT21809



wa_vt57313



wa_vt72713

Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kits for IZM with modular Article No. per unit	Add-on frame Article No. per unit	Protective cover necessary for IP 55 Article No. per unit
XSMIB20 284257	**XMIX40W06** 166754 166767*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08** 166755 166768*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 186750*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F06** 166751 166764*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F08** 166752 166765*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F10** 166753 186753*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F06** 166751 166764*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F08** 166752 166765*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F10** 166753 186753*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W06** 166754 166767*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08** 166755 166768*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 186750*	**XMIX40-XDT** 166750	**IZM-DC** 122926

Note * Finish in special RAL colour

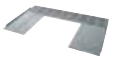

wa_vt34113

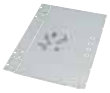

VT01009


wa_vt71313


wa_vt62413


VT05711


VT05611


wa_vt34313


wa_vt62813


wa_vt70513


wa_vt65313

Snap-on c. without cut-out Article No. per unit	Partition / main busbar (with EVEN type of conn.) Article No. per unit	Partition connection/ main busbar Article No. per unit	Partition switchg. a./ switchg. a/ Article No. per unit	Additional partition in 4000A XP sections for chimney effect Article No. per unit	Partition switchgear area/main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0602 166226	**XPMMB0603** 166239	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0802 166227	**XPMMB0803** 166240	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	-	XPIX40BCB-H-0602 166226	**XPMMB0603** 166239	-	XPIX40FBMCB0606 164349	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	-	XPIX40BCB-H-0802 166227	**XPMMB0803** 166240	-	XPIX40FBMCB0608 166221	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	-	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0602 166226	**XPMMB0603** 166239	-	XPIX40FBMCB0606 164349	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0802 166227	**XPMMB0803** 166240	-	XPIX40FBMCB0608 166221	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	-	XPIX40BCB-H-0602 166226	**XPMMB0603** 166239	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	-	XPIX40BCB-H-0802 166227	**XPMMB0803** 166240	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	-	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*

Note * Finish in special RAL colour



wa_vt63013



wa_vt63013



wa_vt65413



wa_vt65513

Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit	Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	

Note

* Finish in special RAL colour

[1] With cellular rubber sealing. For inserting large cable cross sections, additional measures may be required to ensure the degree of protection.

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XP Section Incoming Supply IZMX40, Rear-mounted Main Busbars (HSS), Section depth 600 mm (continued)



wa_vt76213

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Connection type	Mechanical locking	Projection over front edge mm
Circuit breaker IZMX40									
IZMX40	85	630-3200	600	600	3	W	EVEN	no	0
				800	3+4	W	EVEN	yes	0
				1000	3+4	W	EVEN	yes	0
				600	3	W	EVEN	no	50
				800	3+4	W	EVEN	yes	50
				1000	3+4	W	EVEN	yes	50

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VT00109



VT21809



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wa_vt72713

Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kits for IZM with modular Article No. per unit	Add-on frame Article No. per unit	Protective cover necessary for IP 55 Article No. per unit
XSMIB20 284257	**XMIX40W06** 166754 166767*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08** 166755 166768*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 186750*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W06-50** 166757 166770*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08-50** 166758 166771*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 186750*	**XMIX40-XDT** 166750	**IZM-DC** 122926

Note * Finish in special RAL colour

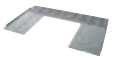

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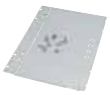

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VT05711


VT05611


wa_vt34313


wa_vt62813


wa_vt70513


wa_vt65313

Snap-on c. without cut-out Article No. per unit	Partition / main busbar (with EVEN type of conn.) Article No. per unit	Partition connection/ main busbar Article No. per unit	Partition switchg. a./ switchg. a/ Article No. per unit	Additional partition in 4000A XP sections for chimney effect Article No. per unit	Partition switchgear area/main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0602 166226	**XPMMB0603** 166239	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0802 166227	**XPMMB0803** 166240	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0602 166226	**XPMMB0602** 135264	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0802 166227	**XPMMB0802** 167314	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1002 180582	**XPMMB1003** 177111	-	XPIX40WBMCB0610 164348	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XPC0610** 133087	**XSDMC0610** 285506 122374*

Note * Finish in special RAL colour

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wa_vt65413



wa_vt65513

Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit	Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112328 122613*	**XSDMRV0610** 132997 133045*	**-**	

Note

* Finish in special RAL colour

[1] With cellular rubber sealing. For inserting large cable cross sections, additional measures may be required to ensure the degree of protection.

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XP Section Incoming Supply IZMX40, Rear-mounted Main Busbars (HSS), Section depth 800 mm



wa_vt76213

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Connection type	Mechanical locking	Projection over front edge mm
Circuit breaker IZMX40									
IZMX40	85	630-4000	800	600	3	F	OPPO	no	0
				800	3+4	F	OPPO	yes	0
				1000	3+4	F	OPPO	yes	0
				600	3	F	EVEN	no	0
				800	3+4	F	EVEN	yes	0
				1000	3+4	F	EVEN	yes	0
				600	3	W	OPPO	no	0
				800	3+4	W	OPPO	yes	0
				1000	3+4	W	OPPO	yes	0
				600	3	W	EVEN	no	0
				800	3+4	W	EVEN	yes	0
				1000	3+4	W	EVEN	yes	0

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wa_vt72713

Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kits for IZM Article No. per unit	Add-on frame Article No. per unit	Protective cover necessary for IP 55 Article No. per unit
XSMIB20 284257	**XMIX40F06** 166751 166764*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F08** 166752 166765*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F10** 166753 166766*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F06** 166751 166764*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F08** 166752 166765*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40F10** 166753 166766*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W06** 166754 166767*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08** 166755 166768*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 166769*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W06** 166754 166767*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W08** 166755 166768*	**XMIX40-XDT** 166750	**IZM-DC** 122926
XSMIB20 284257	**XMIX40W10** 166756 166769*	**XMIX40-XDT** 166750	**IZM-DC** 122926

Note * Finish in special RAL colour

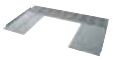

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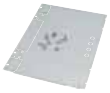

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VT05611


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wa_vt70513


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Snap-on c. without cut-out Article No. per unit	Partition/ main busbar (with EVEN type of conn.) Article No. per unit	Partition connection/ main busbar Article No. per unit	Partition switchg. a./ switchg.a./ Article No. per unit	Additional partition in 4000A XP sections for chimney effect Article No. per unit	Partition switchgear area/main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit
XMC0606 102946 122418*	-	XPIX40BCB-H-0604 166223	**XPMMB0603** 166239	-	XPIX40FBMCB0606 164349	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	-	XPIX40BCB-H-0804 166224	**XPMMB0803** 166240	-	XPIX40FBMCB0608 166221	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948 122420*	-	XPIX40BCB-H-1004 166225	**XPMMBA10** 166698	**XPPBMV10** 166741	XPIX40FBMCB0610 164347	**XPBMB0510** 133068	**XPBMB0510-ROT** 149191	**XPC0610** 133078	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0604 166223	**XPMMB0603** 166239	-	XPIX40FBMCB0606 164349	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0804 166224	**XPMMB0803** 166240	-	XPIX40FBMCB0608 166221	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948 122420*	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1004 166225	**XPMMBA10** 166698	**XPPBMV10** 166741	XPIX40FBMCB0610 164347	**XPBMB0510** 133068	**XPBMB0510-ROT** 149191	**XPC0610** 133078	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	-	XPIX40BCB-H-0604 166223	**XPMMB0603** 166239	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	-	XPIX40BCB-H-0804 166224	**XPMMB0803** 166240	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948 122420*	-	XPIX40BCB-H-1004 166225	**XPMMBA10** 166698	**XPPBMV10** 166741	XPIX40WBMCB0610 164348	**XPBMB0510** 133068	**XPBMB0510-ROT** 149191	**XPC0610** 133078	**XSDMC0610** 285506 122374*
XMC0606 102946 122418*	**XPIX40BCB-E-06** 166742	XPIX40BCB-H-0604 166223	**XPMMB0603** 166239	-	XPIX40WBMCB0606 166220	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*
XMC0608 102947 122419*	**XPIX40BCB-E-08** 166743	XPIX40BCB-H-0804 166224	**XPMMB0803** 166240	-	XPIX40WBMCB0608 166222	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*
XMC0610 102948 122420*	**XPIX40BCB-E-10** 166744	XPIX40BCB-H-1004 166225	**XPMMBA10** 166698	**XPPBMV10** 166741	XPIX40WBMCB0610 164348	**XPBMB0510** 133068	**XPBMB0510-ROT** 149191	**XPC0610** 133078	**XSDMC0610** 285506 122374*

Note * Finish in special RAL colour



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wa_vt65413



wa_vt65513

Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit	Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV0610** 132997 133045*	**XSDMLV0610** 285507 122375*	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV0610** 132997 133045*	**XSDMLV0610** 285507 122375*	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV0610** 132997 133045*	**XSDMLV0610** 285507 122375*	
XSDMC0606-1-96 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
XSDMC0608-1-96 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
XSDMC0610-1-96 112320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMRV0610** 132997 133045*	**XSDMLV0610** 285507 122375*	

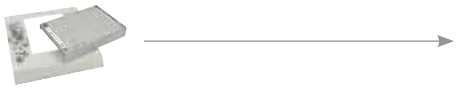
Note

* Finish in special RAL colour

[1] With cellular rubber sealing. For inserting large cable cross sections, additional measures may be required to ensure the degree of protection.


IZMX40 Components

Overview of Fitting Kits for IZMX40



VT21709

Section width mm	IZMX40 in section d. of 600/800mm Fixed design in OPPO/EVEN Article No. per unit	IZMX40 in section d. of 600/800mm Withdrawable in OPPO Article No. per unit	IZMX40 in section depth of 600mm Withdrawable in EVEN Article No. per unit
600	**XMIX40F06** 166751 166764*	**XMIX40W06** 166754 166767*	**XMIX40W06-50** 166757 166770*
800	**XMIX40F08** 166752 166765*	**XMIX40W08** 166755 166768*	**XMIX40W08-50** 166758 166771*
1000	**XMIX40F10**** 166753 166766*	**XMI40W10**** 166756 166769*	

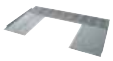
Note

* Finish in special RAL colour
** 1000mm section width is only possible with a section depth of 800mm

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Accessories for XP Sections (IZMX40), Internal Separation

Partitions



wa_vt71313 VT05611 VT05711 wa_vt70513

Section width mm	Partition busbar area/ connection area (for IZMX40) sect. depth 600 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for IZMX40) sect. depth 800 mm Form 2/4 Article No. per unit	Partition busbar area/ switchgear area (for IZMX 40) fixed design Form 2/4 Article No. per unit	Partition busbar area/ switchgear area (for IZMX 40) withdrawable d. Form 2/4 Article No. per unit	Additional partition between mounting plate and main busbar to get an optimal ventilation/ cooling effect (chimney effect) With 4000A XP sections only Article No. per unit	Partition connection area Plexiglass cover Form 4 Article No. per unit
600	**XPIX40BCB-H-0602** 166226	**XPIX40BCB-H-0604** 166223	**XPIX40FBMCB0606** 164349	**XPIX40WBMCB0606** 166220	**-**	**XPC0606** 284116
800	**XPIX40BCB-H-0802** 166227	**XPIX40BCB-H-0804** 166224	**XPIX40FBMCB0608** 166221	**XPIX40WBMCB0608** 166222	**-**	**XPC0608** 284117
1000	-	**XPIX40BCB-H-1004** 166225	**XPIX40FBMCB0610** 164347	**XPIX40WBMCB0610** 164348	**XPPBMV10** 166741	**XPC0610** 133078

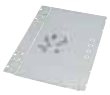
Partitions (cont.)



VT05511

Section width mm	Partition switchgear a./ switchgear a. when using EVEN/OPPO/ Fixed + withdraw. w. section depth 800mm, in OPPO w. 600mm sect.d. Form 4 Article No. per unit	Partition switchgear a./ switchgear a. when using EVEN/withdraw. with section d. of 600mm only Form 4 Article No. per unit
600	**XPMMB0603** 166239	**XPMMB0602** 135264
800	**XPMMB0803** 166240	**XPMMB0802** 167314
1000	**XPMMBA10** 166698	**-**

Separation panels / Mounting plates


wa_vt62813 wa_vt34313 VT01009

Section width mm	Swivel-mounted separation p. switchgear a./ busbar area Article No. per unit	Separation p. switchgear a./ busbar area Article No. per unit	Partition for EVEN type of connection (partition on the same side) Article No. per unit
600	**XPBMB0606-ROT** 112313	**XPBMB0606** 284108	**XPIX40BCB-E-06** 166742
800	**XPBMB0608-ROT** 112314	**XPBMB0608** 284109	**XPIX40BCB-E-08** 166743
1000	**XPBMB0510-ROT** 149191	**XPBMB0510** 133068	**XPIX40BCB-E-10** 166744

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Accessories

Accessories



VT24209

	Door sealing frame to cover the door cut-out for IZMX40 Fixed design	Door sealing frame to cover the door cut-out for IZMX40 Withdrawable
	Article No. per unit	Article No. per unit
	IZMX-DEG40-F 156665	**IZMX-DEG40-W** 156666

Protective cover



wa_vt57313



wa_vt72713

	Adapter frame for protective cover suitable for the IZMX40 series/ Fixed+withdrawable	Protective cover suitable for the IZMX40 series/Fixed + withdrawable
	Article No. per unit	Article No. per unit
	XMIX40-XDT 166750	**IZM-DC** 122926

Snap-on cover



wa_vt33613

Section width mm	Snap-on cover without cut-out
	Article No. per unit
600	**XMC0606** 102946 122418*
800	**XMC0608** 102947 122419*
1000	**XMC0610** 102948 122420*

Additional partition for 5000A systems



wa_vt71313

Section width mm	Partition extension for 5000A systems connection area/ main busbar area
	Article No. per unit
600	**XPIBCB-H-06019** 150515
800	**XPIBCB-H-08019** 150516
1000	**XPIBCB-H-10019** 150518

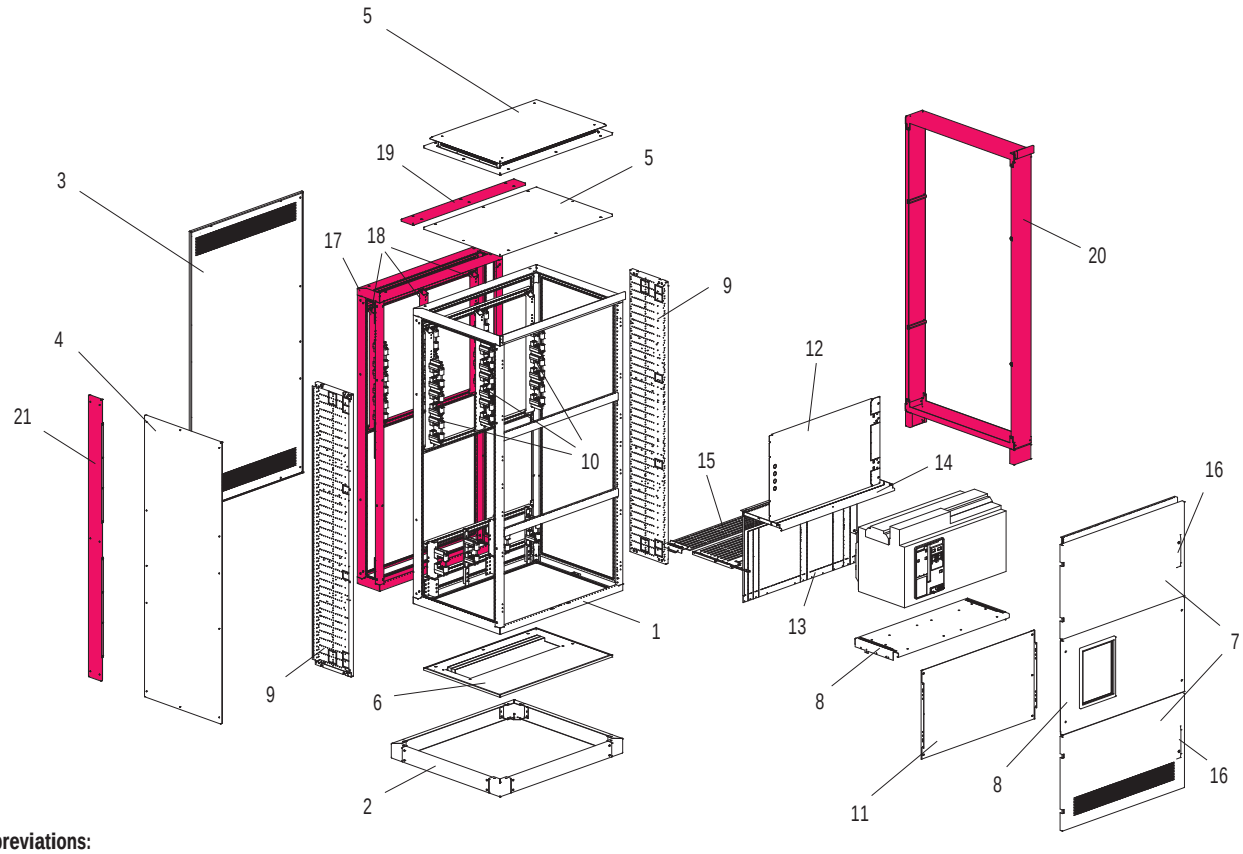
Note * Finish in special RAL colour

EATON Powering Business Worldwide

Notes

XP Section IZM;
IZM63 up to 5000 A

Kat_5000_EX_1



Abbreviations:
EVEN . . . . . Main busbars and connection area are on the same side
OPPO . . . . . Main busbars and connection area are opposite each other

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Fitting kit
9 Universal mounting plate
10 Main busbar support
11 PVC cover
12 Partition main busbar area/switchgear area (mounting plate)
13 Partition main busb. area/switchg. area
14 Partition switchgear area/switchgear area
15 Partition main busbar area/cable connection a.
16 Lock mechanism

Additional parts for 5000 A construction
17 Frame 200 mm depth
18 Main busbar support
19 Top panel 200 mm depth
20 Add-on frame 150 mm width
21 Side panel 200 mm depth

Features
- section widths of 1100/1350 mm
- section depth of 1000 (800 + 200) mm
- fixed or withdrawable design
- suitable as a coupling section
- up to 5000 A
- Form 4
- IP31, IP55 with protective cover
- to be operated from outside
- suitable for switchgear with remote operation

Notes
Frame comes with a blue design strip.
Doors include a locking system for a 3 mm two-way key bit.
All parts are pre-drilled and include all fixing materials.
For IP55 a protective cover needs to be ordered in addition.
If you use a counter-locking system, please make sure the fitting kit is sufficient (see overview fitting kits)!
Where cover plates of several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures..
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

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XP Section Incoming Supply IZM 63, Rear-mounted Busbars (HSS)



wa_vt76213

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Cut-out in the cover	Connection type	Mechanical locking [1]	Projection over front edge mm
Circuit breaker IZM 63										
IZM 63	100	4000	800	1100	3	W	Left	EVEN	no	0
				1350	3+4	W	Left	EVEN/OPPO	3-pole: yes 4-pole: no	0
									yes	0

Note

[1] As it is impossible to present all configuration options for the IZM 26 series with cross-locking, it may be necessary to select a suitable fitting kit from the list of „Configurations for the IZM 26 series“ on page xx.

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VT00109


VT21809


wa_vt57313


wa_vt72713

Fitting kit f. outgoers with circuit breaker Article No. per unit	Fitting kits for IZM Article No. per unit	Fitting kits for IZM with modular doors Article No. per unit	Add-on frame in combination with protec-tive cover Article No. per unit	Protective cover necessary for IP55 Article No. per unit
XSMIB20 284257	**XMI63/3__/11/ 08/F+W/E+O** 132989 133037*	**XMI63/3__/11/ 08/F+W/E+O/D** 134460 134481*	**XMI26-XDT** 151684 151685*	**IZM -DC** 122926
XSMIB20 284257	**XMI63/3+4/135/ 08/F+W/E+O** 132990 133038*	**XMI63/3+4/135/ 08/F+W/E+O/D** 134461 134482*	**XMI26-XDT** 151684 151685*	**IZM -DC** 122926
XSMIB20-Z 150399	**XMI63/3+4/135/ 08/F+W/E+O** 132990 133038*	**XMI63/3+4/135/ 08/F+W/E+O/D** 134461 134482*	**XMI26-XDT** 151684 151685*	**IZM -DC** 122926

Note * Finish in special RAL colour

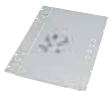
EATON Powering Business Worldwide


wa_vt34113


wa_vt71313


wa_vt62413


wa_vt70113


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wa_vt65313


wa_vt63013

Front-Cover closed without cut-out Article No. per unit	Partition connection/ main busbar centre Article No. per unit	Partition switchgear/ switchgear/ top Article No. per unit	Partition switchgear/ connection/ main busbar rear Drawer unit Article No. per unit	Partition switchgear/ connection/ main busbar rear fixed Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit	Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit
XMC0611 132993 133041*	**XPIBCB-H-1104** 133096	**XPMMB1104** 133082	**XPIBMCB0611** 133085	**XPI26FBMCB0611** 149186	**XPBMB0511** 133069	**XPBMB0511-ROT** 149192	**XPC0611** 133079	**XSDMC0611** 132995 133043*	**XSDMC0611-1-96** 143329 143465*
XMC06135 132994 133042*	**XPIBCB-H-13504** 133097	**XPMMB13504** 133083	**XPIBMCB06135** 133086	**-**	**XPBMB05135** 133070	**XPBMB05135-ROT** 149193	**XPC06135** 133080	**XSDMC06135** 132996 133044*	**XSDMC06135-1-96-S** 143285
XMC06135 132994 133042*	**XPIBCB-H-13504** 133097	**XPMMB13504** 133083	**XPIBMCB06135** 133086	**-**	**XPBMB05135** 133070	**XPBMB05135-ROT** 149193	**XPC06135** 133080	**XSDMC06135** 132996 133044*	**XSDMC06135-1-96-S** 143285

Note * Finish in special RAL colour



wa_vt63013



wa_vt65413



wa_vt65513

Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit	
XSDMC0611-1-144 143328 143464*	**XSDMRV0611** 132997 133045*	**XSDMLV0611** 132999 133047*	
XSDMC06135-1-144 143284 149195*	**XSDMV06135** 132998 133046*	**XSDMV06135** 132998 133046*	
XSDMC06135-1-144 143284 149195*	**XSDMV06135** 132998 133046*	**XSDMV06135** 132998 133046*	

Note * Finish in special RAL colour

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XP Section Incoming Supply IZM 63, Rear-mounted Busbars (HSS), Rated Current up to 5000 A



VT00211

Circuit breaker	I_{cc} up to (400 V AC) kA	I_e up to A	Section-depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Cut-out in the cover	Connection type	Mechanical locking [1]	Projection over front edge mm
Circuit breaker IZM 63										
IZM 63	100	5000	800+200	1100	3	W	Left	EVEN	no	0
				1350	3+4	W	Left	EVEN/OPPO	3-pole: yes 4-pole: no	0
				1350	4	W	Left	EVEN/OPPO	4-pole: yes	0
									yes	0

Note

[1] As it is impossible to present all configuration options for the IZM 26 series with cross-locking, it may be necessary to select a suitable fitting kit from the list of „Configurations for the IZM 26 series“ on page xx.

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VT00109



VT21809

Fitting kit for outgoers with circuit breaker Article No. per unit	Fitting kits for IZM Article No. per unit	Fitting kits for IZM with modular doors Article No. per unit
XSMIB20 284257	**XMI63/3__/11/08/F+W/E+O** 132989 133037*	**XMI63/3__/11/08/F+W/E+O/D** 134460 134481*
XSMIB20 284257	**XMI63/3+4/135/08/F+W/E+O** 132990 133038*	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482*
XSMIB20-Z 150399	**XMI63/3+4/135/08/F+W/E+O** 132990 133038*	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482*

Note

* Finish in special RAL colour
[2] Additional parts for rated current 5000 A

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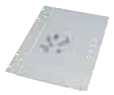
Add-on frame in combination with protective cover Article No. per unit	Protective cover necessary for IP55 Article No. per unit	Front cover closed without cut-out Article No. per unit	Partition connection/ main busbar centre Article No. per unit	Partition connection/ main busbar centre [2] Article No. per unit	Partition switchgear/ switchgear/ top Article No. per unit	Partition switchgear/ connection/ main busbar rear Drawer unit Article No. per unit
XMI26-XDT 151684 151685*	**IZM -DC** 122926	**XMC0611** 132993 133041*	**XPIBCB-H-1104** 133096	**XPIBCB-H-11019** 150519	**XPMMB1104** 133082	**XPIBMCB0611** 133085
XMI26-XDT 151684 151685*	**IZM -DC** 122926	**XMC06135** 132994 133042*	**XPIBCB-H-13504** 133097	**XPIBCB-H-135019** 150521	**XPMMB13504** 133083	**XPIBMCB06135** 133086
XMI26-XDT 151684 151685*	**IZM -DC** 122926	**XMC06135** 132994 133042*	**XPIBCB-H-13504** 133097	**XPIBCB-H-135019** 150521	**XPMMB13504** 133083	**XPIBMCB06135** 133086

Note

* Finish in special RAL colour
[2] Additional parts for rated current 5000 A

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wa_vt65313


wa_vt63013


wa_vt65413


wa_vt65513

Partition switchgear/ connection/ main busbar rear fixed Article No. per unit	Partition mounting plate switchgear/ main busbar Article No. per unit	Partition mounting plate switchgear/ main busbar pivoting Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchg. a. closed up to IP55 Article No. per unit	Door to switch g. a. with cut-out 96/96 up to IP55 Article No. per unit	Door to switch-g. a. with cut-out 144/144 up to IP55 Article No. per unit	Door to switchg. a. ventilated right-hinged up to IP31 Article No. per unit	Door to switchg. a. ventilated left-hinged up to IP31 Article No. per unit
XPI26FBMCB0611 149186	**XPBMB0511** 133069	**XPBMB0511-ROT** 149192	**XPC0611** 133079	**XSDMC0611** 132995 133043*	**XSDMC0611-1-96** 143329 143465*	**XSDMC0611-1-144** 143328 143464*	**XSDMRV0611** 132997 133045*	**XSDMLV0611** 132999 133047*
-	**XPBMB05135** 133070	**XPBMB05135-ROT** 149193	**XPC06135** 133080	**XSDMC06135** 132996 133044*	**XSDMC06135-1-96-S** 143285	**XSDMC06135-1-144** 143284 149195*	**XSDMV06135** 132998 133046*	**XSDMV06135** 132998 133046*
-	**XPBMB05135** 133070	**XPBMB05135-ROT** 149193	**XPC06135** 133080	**XSDMC06135** 132996 133044*	**XSDMC06135-1-96-S** 143285	**XSDMC06135-1-144** 143284 149195*	**XSDMV06135** 132998 133046*	**XSDMV06135** 132998 133046*

Note

* Finish in special RAL colour

[2] Additional parts for rated current 5000 A

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IZM63 Components

Overview of Fitting Kits for IZM 63

Including base plate, front plate, fastening bracket and fastening material.



VT21809

Version 1: Fixed installation type
Version 2: Withdrawable
Version 3: Fixed, incl. mechanical locking
Version 4: Withdrawable, incl. mechanical locking
Version 5: Withdrawable, with position indicator
O = OPPO
E = EVEN

Key: XMI63/3+4/06/08/F+W/E+O

- Type
- Size of c.b.
- Number of poles
- Width of section
- Depth of section
- Installation type
- Connection type

Fitting kit Article No. per unit	Fitting kit with modular door Article No. per unit	Poles OPPO/EVEN Version	301	302	303	304	305	3E1	3E2	3E3	3E4	3E5	401	402	403	404	405	4E1	4E2	4E3	4E4	4E5
Cicuit breaker IZM 63																						
XMI63/3__/11/08/F+W/E+O 132989 133037*	**XMI63/3__/11/08/F+W/E+O/D** 132989 133037*		X	X				X	X													
XMI63/3+4/135/08/F+W/E+O 132990 133038*	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482*		X	X	X	X	X	X	X	X	X	X	X	X				X	X			
XMI63/3+4/135/08/F+W/E+O 132990 133038* in combination with XSMIB20-Z, No. 150399 and intermediate frame (XSAF200108, No. 289909)	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482* in combination with XSMIB20-Z, No. 150399 and intermediate frame (XSAF200108, No. 289909)														X	X	X			X	X	X

Switchgear size IZM 63 can be installed in all of the marked fitting kits (in their different versions).
E.g. IZM63/3POL/W/OPPO can also be installed in: see markings ◯

Note * Finish in special RAL colour

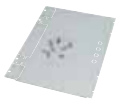
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Accessories for XP Sections (IZM26/Size 63), Internal Separation

Separation panels / Mounting plates



wa_vt62813



wa_vt34313

Section width mm	Swivel-mounted separation panel switchgear a./ busbar area suitable for IZM26 Article No. per unit	Partition switchgear a./ busbar area// (mounting plate) Form 2/4 suitable for IZM26 Article No. per unit
1100	**XPBMB0511-ROT** 149192	**XPBMB0511** 133069
1350	**XPBMB0535-ROT** 149193	**XPBMB0535** 133070

Separation panels for EVEN type of connection (on the same side)



VT01009

Section width mm	Partition between incoming supply copper and connection copper on main busbar with IZM26 Form 4 Article No. per unit
1100	**XPI26BCB-E-11** 151681
1350	**XPI26BCB-E-135** 151682

Partitions



wa_vt71313



wa_vt70113



wa_vt70513



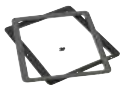
wa_vt62413

Section width mm	Partition busbar area/ connection a. (for IZM26) section depth 800 mm Form 2/4 Article No. per unit	Partition busbar area/ switchgear area (for IZM26) Form 2/4 withdrawable Article No. per unit	Partition busbar area/ switchgear area (for IZM26) Form 2/4 fixed Article No. per unit	Partition connection area plexiglass cover Form 4 Article No. per unit	Partition switchgear area/ switchgear area/ Form 4 Article No. per unit
1100	**XPIBCB-H-1104** 133096	**XPI26MCB0611** 133085	**XPI26FBMCB0611** 149186	**XPC0611** 133079	**XPMMB1104** 133082
1350	**XPIBCB-H-13504** 133097	**XPI26MCB06135** 133086	**-**	**XPC06135** 133080	**XPMMB13504** 133083

Powering Business Worldwide

Accessories

Accessories



VT24209

	Door sealing frame to cover the door cut-out for IZM20/32/40/63 Article No. per unit
	IZM-DEG 122925



wa_vt62513

	Adapter frame for IZM26, suitable for protective cover no. 122926 Article No. per unit
	XMI26-XDT 151684 151685*



wa_vt72713

	Protective cover made of plastic for IP55 Article No. per unit
	IZM-DC 122926

Additional partition for 5000A systems



wa_vt71313

Section width mm	Partition extension for 5000 A application busbar area/ main busbar area/ (suitable for IZM and NZM) Article No. per unit
1100	**XPIBCB-H-11019** 150519
1350	**XPIBCB-H-135019** 150521

Snap-on covers



wa_vt33613

Section width mm	Snap-on cover without cut-out Article No. per unit
425	**XMC0604** 102945 122417*
600	**XMC0606** 102946 122418*
800	**XMC0608** 102947 122419*
1000	**XMC0610** 102948 122420*
1100	**XMC0611** 132993 133041*
1200	**XMC0612** 113990 122617*
1350	**XMC06135** 132994 133042*

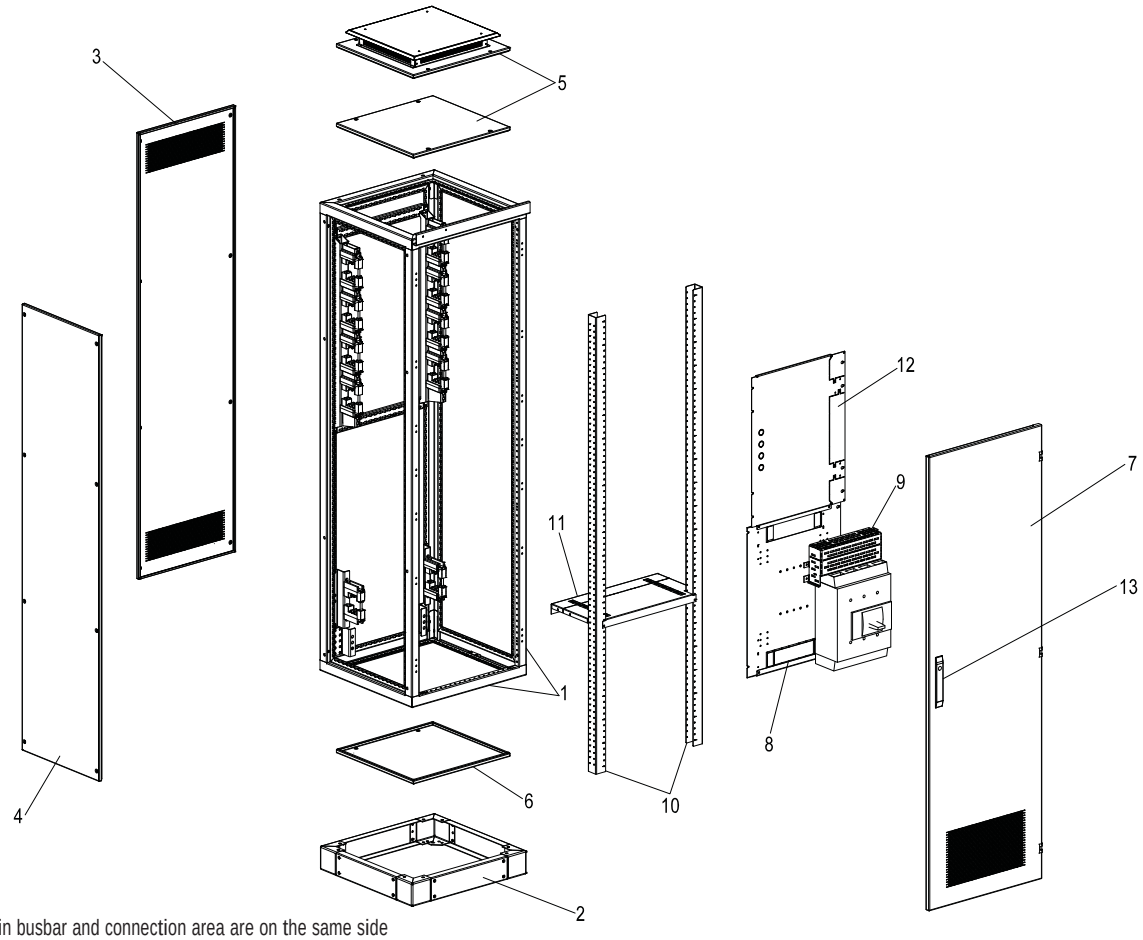
Note * Finish in special RAL colour

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Notes

XP Section NZM4 in Form 2

CAT0000012



Abbreviations:
EVEN . . . . . Main busbar and connection area are on the same side
OPPO . . . . . Main busbar and connection area are on the opposite side

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Mounting plate
9 Copper contact protection
10 Section fitting kit
11 Partition main busbar area/connection area
12 Partition main busbar area/switchgear area (mounting plate)
13 Lock

Features
- Widths of 425/ 600/ 800 mm
- Fixed or withdrawable design
- 3 or 4 poles
- with another main busbar suitable as a coupling section
- 630-1600 A (NZM4)
- Form 2
- IP31, IP42, IP55
- suitable for drill-free cable connection, for top and bottom installation
- to be operated from behind the door as high as the section
- Suitable for switchgear with remote operation

Notes
Frame comes with a blue design strip.
Doors include a locking system for a 3 mm two-way key bit.

Where cover plates consisting of several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
We recommend NZM4-XKSA as contact pro- tection of the connection copper, see HPL. For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

XP Section NZM4 in Form 2, Section Widths of 425 and 600 mm

Form 2



wa_vt75713

Item numbers of the exploded pictorial view

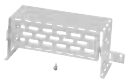
	I_{cc} up to kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	With remote operation	With door coupling handle	Section width mm	Section depth mm
Circuit Breakers NZM4, EVEN+OPPO								
	65kA-400V 35kA-690V	800-1600	NZM4-3P	F	yes	yes	425	600
				E	yes	yes	425	600
				F	yes	yes	425	800
				E	yes	yes	425	800
			NZM4-3-4P	F	yes	yes	600	600
				E	yes	yes	600	600
				F	yes	yes	600	800
				E	yes	yes	600	800

Note * Finish in special RAL colour

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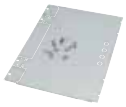
VT07506


VT00909


vt126414


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wa_vt71313


wa_vt34313

10	8	9	11	11	12	
Universal mounting strut Article No. per unit unit = 1 pair	Mounting plate for NZM4 Article No. per unit unit = 1 pc.	Contact protection f. switch input/output Article No. per unit unit = 1 pair	Partition connection area/ main busbar area Article No. per unit unit = 1 pc.	Partition extension for 5000A systems busbar area/ main busbar area (suitable for IZM and NZM) Article No. per unit unit = 1 pc.	Partition switchgear area/ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	
XSMNB20 285511	**XMN442404MVF** 284081	**XPN4MC-3P** 177118	**XPNBCT0404** 285502	**XPIBCB-H-04019** 150514	**XPBMB0604** 284107	
XSMNB20 285511	**XMN442404MVF** 284081	**XPN4MC-3P** 177118	**XPNBCT0404** 285502	**XPIBCB-H-04019** 150514	**XPBMB0604** 284107	
XSMNB20 285511	**XMN442404MVF** 284081	**XPN4MC-3P** 177118	**XPNBCT0406** 285523	**XPIBCB-H-04019** 150514	**XPBMB0604** 284107	
XSMNB20 285511	**XMN442404MVF** 284081	**XPN4MC-3P** 177118	**XPNBCT0406** 285523	**XPIBCB-H-04019** 150514	**XPBMB0604** 284107	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0604** 285504	**XPIBCB-H-06019** 150515	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0604** 285504	**XPIBCB-H-06019** 150515	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0606** 285522	**XPIBCB-H-06019** 150515	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0606** 285522	**XPIBCB-H-06019** 150515	**XPBMB0606** 284108	

Note * Finish in special RAL colour

XP Section NZM4 in Form 2, Section Width 800 mm



wa_vt75713

Item numbers of the exploded pictorial view

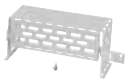
	I_{cc} up to kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	With remote operation	With door coupling handle	Section width mm	Section depth mm
Circuit Breakers NZM4, EVEN+OPPO								
	65kA-400V 35kA-690V	800-1600	NZM4-3-4P	F	yes	yes	800	600
				E	yes	yes	800	600
				F	yes	yes	800	800
				E	yes	yes	800	800

Note * Finish in special RAL colour

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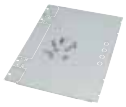
VT07506


VT00909


vt126414


wa_vt71213


wa_vt71313


wa_vt34313

10	8	9	11	11	12	
Universal mounting strut Article No. per unit unit = 1 pair	Mounting plate for NZM4 Article No. per unit unit = 1 pc.	Contact protection f. switch input/output Article No. per unit unit = 1 pair	Partition connection a./ main busbar area Article No. per unit unit = 1 pc.	Partition extension for 5000A systems busbar area/ main busbar area (suitable for IZM and NZM) Article No. per unit unit = 1 pc.	Partition switchgear area/ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0604** 285504	**XPIBCB-H-08019** 150516	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0604** 285504	**XPIBCB-H-08019** 150516	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0806** 135257	**XPIBCB-H-08019** 150516	**XPBMB0606** 284108	
XSMNB20 285511	**XMN442406MVF** 284085	**XPN4MC-4P** 177119	**XPNBCT0806** 135257	**XPIBCB-H-08019** 150516	**XPBMB0606** 284108	

Note * Finish in special RAL colour

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NZM4 Form 2 Components

Components for NZM4 Form 2

Universal mounting spar



VT07506

Universal mounting spar Article No. per unit unit = 1 pair
XSMNB20 285511

Additional partition for 5000A systems



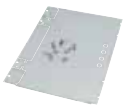
wa_vt71313

Section width mm	Partition extension for 5000 A application busbar area/ main busbar area/ (suitable for IZM and NZM) Article No. per unit
425	**XPIBCB-H-04019** 150514
600	**XPIBCB-H-06019** 150515
800	**XPIBCB-H-08019** 150516

Mounting plates, Partitions



VT00909



wa_vt34313



wa_vt71213

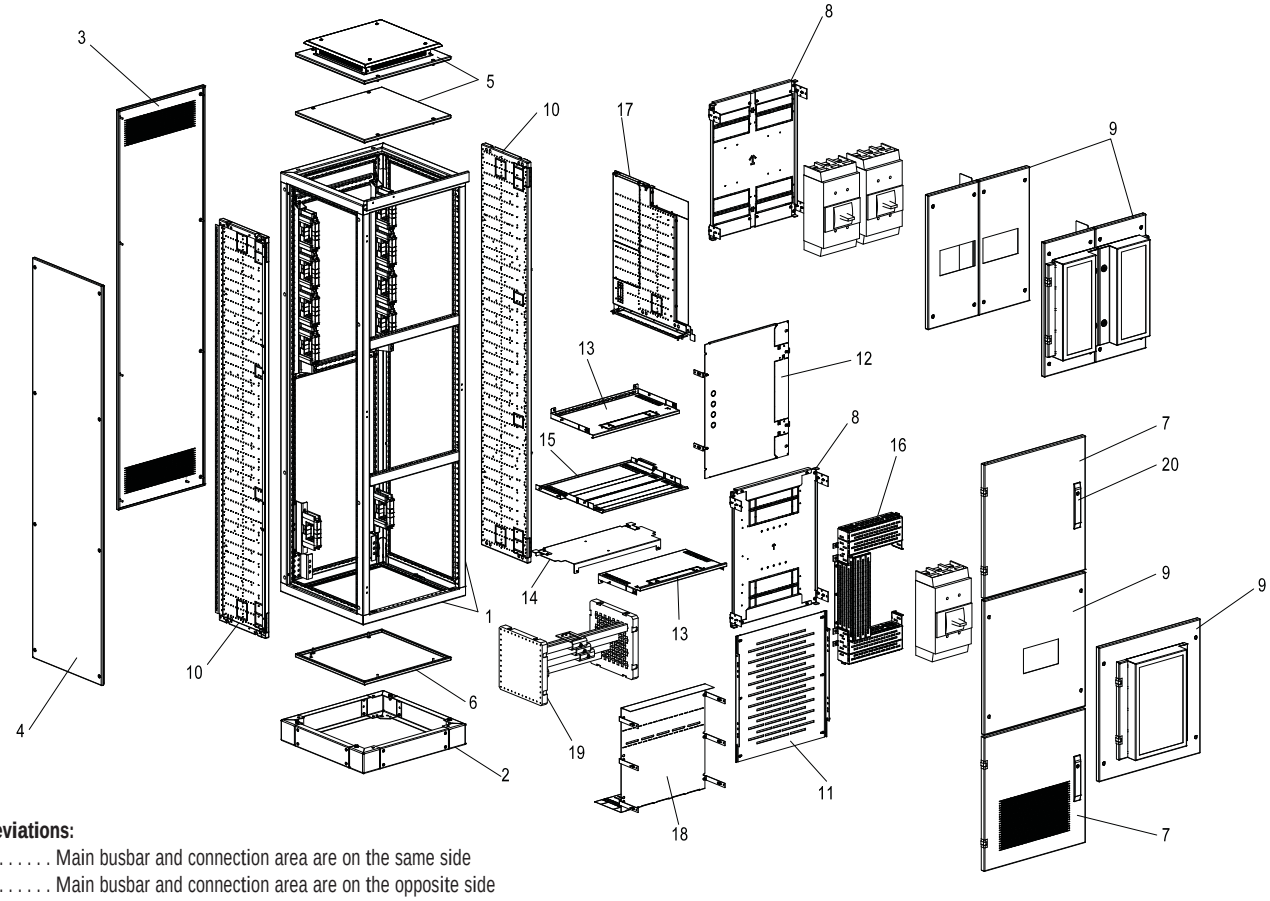
Section width mm	Mounting plate for NZM4 Form 2 Fixed and withdrawable Article No. per unit	Mounting plate/ partition Article No. per unit	Partition connection a./ busbar area (only NZM) section depth 400 mm Form 2 Article No. per unit	Partition connection a./ busbar area (only NZM) section depth 600 mm Form 2 Article No. per unit	Partition connection a./ busbar area (only NZM) section depth 800 mm Form 2 Article No. per unit
425	**XMN442404MVF** 284081	**XPBMB0604** 284107	**XPNBCT0402** 285501	**XPNBCT0404** 285502	**XPNBCB0406** 285523
600	**XMN442406MVF** 284085	**XPBMB0606** 284108	**XPNBCT0602** 285503	**XPNBCT0604** 285504	**XPNBCB0606** 285522
800	**XMN442408MVF** 290348	**XPBMB0608** 284109	**-**	**XPNBCT0804** 135258	**XPNBCB0806** 135257

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Notes

XP Section NZM3/4 in Form 4

CAT0000006



Abbreviations:
EVEN . . . . . Main busbar and connection area are on the same side
OPPO . . . . . Main busbar and connection area are on the opposite side
UK . . . . . 3P&N (for GB market)

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door (optionally 1 or 2 devices per sect.)
8 Mounting plate (optionally 1 or 2 devices per section)
9 Front cover (optionally 1 or 2 devices per section)
10 Universal mounting plate
11 PVC cover
12 Partition main busbar area/switchgear area (mounting plate)
13 Partition connection area/switchgear area
14 Partition main busbar area/connection area
15 Partition main busbar area/connection area EVEN
16 Copper contact protection
17 Universal mounting plate - center
18 Partition feeder/outgoing copper
19 Cable connection system
20 Lock

Features
- Widths of 425/600/800/1000 mm
- Fixed or withdrawable
- 3, 4 or 3+TPN poles
- with another main busbar suitable as a coupling section
- 250-630 A (NZM3)
- 630-1600 A (NZM4)
- Form 4
- IP31, IP42, IP55
- suitable for drill-free cable connection, for top and bottom installation
- to be operated from outside
- also possible with 2 devices in one section
- suitable for switchgear with remote operation

Notes
Frame comes with a blue design strip.
Doors include a locking system for a 3 mm two-way key bit.
Where cover plates consisting of several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
We recommend NZM4-XKSA as contact pro- tection of the connection copper, see HPL.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

Incoming Supply NZM 3 Form 4, Rear-mounted Busbars (HSS)

Form 4



wa_vt75913

	I_{cc} up to (400 V AC) kA	I_e up to A	Section depth mm	Section width mm	Poles	Installation type F=Fixed W=Drawer unit	Remote operation
Circuit breaker NZM 3							
NZM 3	100	630	600	425	3+4	F	
					3+4	F	Remote operation
					3+4	W	
					3+4	W	Remote operation
				600	3	F	
					4	F	
					3	F	Remote operation
					3	W	
					3	W	Remote operation
				800	4	W	
					4	W	Remote operation

Note * Finish in special RAL colour

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VT27209


VT00109


VT21909


VT22009


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VT16309

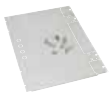

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Busbar support Article No. per unit	Busbar support for PEN Article No. per unit	Universal mounting plate for PEN Article No. per unit	Fitting kit mounting plate Article No. per unit	Double fitting kit mounting plate Article No. per unit	Front cover closed without cut-out up to IP55 Article No. per unit	Partition connection/ main busbar at the center Article No. per unit	Partition connection/ switchgear at the bottom Article No. per unit	Partition switchgear/ switchgear at the top Article No. per unit
see page xx	**XBSP** 283872	**XSMIB20** 284257	**XMN3304** 124411 124412*	-	**XMC0604** 102945 122417*	**XPNBCB0402** 289174	**XPNMCB04** 284174	**XPMMB0404** 284163
see page xx	**XBSP** 283872	**XSMIB20** 284257	**XMN3304** 124411 124412*	-	**XMC0604** 102945 122417*	**XPNBCB0402** 289174	**XPNMCB04** 284174	**XPMMB0404** 284163
see page xx	**XBSP** 283872	**XSMIB20** 284257	**XMN3304-1** 129009 129012*	-	**XMC0604** 102945 122417*	**XPNBCB0402** 289174	**XPNMCB04** 284174	**XPMMB0404** 284163
see page xx	**XBSP** 283872	**XSMIB20** 284257	**XMN3304-2** 129010 129013*	-	**XMC0604** 102945 122417*	**XPNBCB0402** 289174	**XPNMCB04** 284174	**XPMMB0404** 284163
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN330602** 107982 122555*	**XMC060602** 107987 122560*	**XPNBCB0602** 289175	**XPNMCB06** 284175	**XPMMB0604** 284164
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN340602** 107983 122556*	**XMC060602** 107987 122560*	**XPNBCB0602** 289175	**XPNMCB064** 284175	**XPMMB0604** 284164
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN330602-R** 110277 122605*	**XMC060602** 107987 122560*	**XPNBCB0602** 289175	**XPNMCB06** 284175	**XPMMB0604** 284164
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN330602-1** 110274 122602*	**XMC060602** 107987 122560*	**XPNBCB0602** 289175	**XPNMCB06** 284175	**XPMMB0604** 284164
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN330602-2** 125995 125996*	**XMC060602** 107987 122560*	**XPNBCB0602** 289175	**XPNMCB06** 284175	**XPMMB0604** 284164
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN340802-1** 110275 122603*	**XMC060802** 107988 122561*	**XPNBCB0802** 118735	**XPNMCB08** 116455	**XPMMB0804** 284165
see page xx	**XBSP** 283872	**XSMIB20** 284257	-	**XMN340802-2** 125997 125998*	**XMC060802** 107988 122561*	**XPNBCB0802** 118735	**XPNMCB08** 116455	**XPMMB0804** 284165

Note * Finish in special RAL colour

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Mounting pl. partition switchgear/ main busbar Article No. per unit	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit	Cover for connection area transparent Article No. per unit	Door to switchgear up to IP55 closed Article No. per unit	Door to switch-gear area with 144x144 cut-out up to IP55 Article No. per unit	Door to switch-gear area with 96x96 cut-out up to IP55 Article No. per unit	Door to switchgear a. ventilated up to IP31 right Article No. per unit	Door to switch gear a. ventil up to IP31 left Article No. per unit
XPBMB0604 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-144** 112327 122612*	**XSDMC0604-1-96** 112317 122607*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*
XPBMB0604 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-144** 112327 122612*	**XSDMC0604-1-96** 112317 122607*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*
XPBMB0604 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-144** 112327 122612*	**XSDMC0604-1-96** 112317 122607*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*
XPBMB0604 284107	**XPBMB0604-ROT** 112312	**XPC0604** 284115	**XSDMC0604** 284194 122240*	**XSDMC0604-1-144** 112327 122612*	**XSDMC0604-1-96** 112317 122607*	**XSDMRV0604** 284214 122260*	**XSDMLV0604** 284205 122251*
XPBMB0606 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-144** 112328 122613*	**XSDMC0606-1-96** 112318 122608*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*
XPBMB0606 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-144** 112328 122613*	**XSDMC0606-1-96** 112318 122608*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*
XPBMB0606 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-144** 112328 122613*	**XSDMC0606-1-96** 112318 122608*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*
XPBMB0606 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-144** 112328 122613*	**XSDMC0606-1-96** 112318 122608*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*
XPBMB0606 284108	**XPBMB0606-ROT** 112313	**XPC0606** 284116	**XSDMC0606** 284195 122241*	**XSDMC0606-1-144** 112328 122613*	**XSDMC0606-1-96** 112318 122608*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*
XPBMB0608 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*	**XSDMC0608-1-144** 112329 122614*	**XSDMC0608-1-96** 112319 122609*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*
XPBMB0608 284109	**XPBMB0608-ROT** 112314	**XPC0608** 284117	**XSDMC0608** 284196 122242*	**XSDMC0608-1-144** 112329 122614*	**XSDMC0608-1-96** 112319 122609*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*

Note * Finish in special RAL colour

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Notes

XP Section NZM4 in Form 4, Section Width 425 mm

Form 4



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Item numbers of the exploded pictorial view

	I_{cc} kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed install with door coupling handle	Section width mm
Circuit breakers NZM4, EVEN+OPPO									
	65kA-400V 35kA-690V	800-1600	NZM4-3P	F					425
				F	x				425
				F		x			425
				F			x		425
				F				x	425
				E					425
				E	x				425

Note * Finish in special RAL colour

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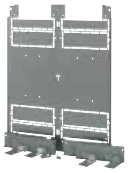

vt43215


vt44215


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wa_vt56213


wa_vt62913


vt04015

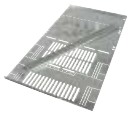
10	9	9	9	9	9	9	9	8
Universal mounting plate Article No. per unit unit = 1 pair	Front cover IP31 Article No. per unit unit = 1 pc.	2x Front cover IP31 Article No. per unit unit = 1 Set	Front cover IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover IP42/IP55 Article No. per unit unit = 1 Set	Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	Crossbar Article No. per unit unit = 1 pc.	Mounting plate 1x NZM4 2x NZM4 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO			EVEN+OPPO
XSMIB20 284257	**XMN43F04C** 177100 186611*	-	**XMN43F04C-55** 180497 186554*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN43F04M** 177122
XSMIB20 284257	**XMN43F04C** 177100 186611*	-	**XMN43F04C-55** 180497 186554*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN43F04M** 177122
XSMIB20 284257	**XMN43F04C-XMV** 177101 186612*	-	**XMN43F04C-55-XMV** 180495 186552*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN43F04M** 177122
XSMIB20 284257	**XMN43F04C** 177100 186611*	-	**XMN43F04C-55** 180497 186554*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN43F04M** 177122
XSMIB20 284257	-	-	-	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN43F04M** 177122
XSMIB20 284257	**XMN4W04C** 177110 186621*	-	**XMN43W04C-55** 180509 186488*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN4W04M** 177093
XSMIB20 284257	**XMN43W04C-XR** 180487 186544*	-	**XMN43W04C-55-XR** 180513 186492*	-	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*	**XMN4W04M** 177093

Note * Finish in special RAL colour

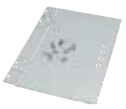
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wa_vt34313



wa_vt62813



vt37115

15	15	18	12	12	13
Partition busbar area/ connection area (only NZM) section depth 600mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section depth 800mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition betw. feeder copper and connection copper on main busbar with NZM Form 4 only for the EVEN installation type Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switch-gear / main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN	EVEN+OPPO		EVEN+OPPO
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-MCB04** 178597
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-DV-MCB04** 178599
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-D-MCB04** 178598
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-MCB04** 178601
XPNBCB0402 289174	**XPNBCB0404** 289176	**XPNBCB-E-04** 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-R-MCB04** 178602

Note * Finish in special RAL colour

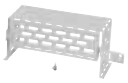
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vt35615


vt35315


VT126414


vt45515


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14	14	17	17	16	16	11	7	7
Partition connection area D 600	Partition connection area D 800	Central universal mounting plate incoming area D 600	Central universal mounting plate incoming area D 800	Contact protect. switchgear input/output	Contact protec-. tion for 3P+N	Cover for connection area, transparent	Door to switchgear area, ventilated, left, IP31	Door to switchgear area, ventilated, right, IP31
Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO
XPNBCB-2-0406 178630	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNBCB-2-0406 178630	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNBCB-2-0406 178630	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNBCB-2-0406 178630	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNBCB-2-0406 178630	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNW-R-BCB-2-0406 178629	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*
XPNW-R-BCB-2-0406 178629	**XPNBCB-2-0408** 178632	-	-	**XPN4MC-3P** 177118	-	**XPC0604** 284115	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*

Note * Finish in special RAL colour



wa_vt65313



wa_vt63013



VT30009

7	7	7	19	
Door to switch-gear a., closed can be used left or right IP42/IP55 Article No. per unit unit = 1 pair	Door to switchgear a. with cut-out f. measuring de-vices, 96/96 IP42/IP55 Article No. per unit unit = 1 pc.	Door to switchgear a. with cut-out f. measuring de-vices 144/144 IP42/IP55 Article No. per unit unit = 1 pc.	Cable connection system Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO		
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	
XSDMC0604 284194 122240*	**XSDMC0604-1-96 X** 112317 122607*	**DMC0604-1-144** 112327 122612*	see page xx	

Note * Finish in special RAL colour

Notes

Powering Business Worldwide

XP Section NZM4 in Form 4, Section Width 600 mm

Form 4



wa_vt75913

Item numbers of the exploded pictorial view

	I_{cc} kA	I_e up to A	Poles	Installation type F = Fixed E = Withdraw-able	Remote operation	Fixed install. with mechani-cal lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Section width mm
Circuit breakers NZM4, EVEN+OPPO									
	65kA-400V 35kA-690V	800-1600	NZM4-3P	F					600
			NZM4-4P, 3P+N	F					600
			NZM4-3P	F	x				600
			NZM4-4P, 3P+N	F	x				600
			NZM4-3P	F		x			600
			NZM4-4P, 3P+N	F		x			600
			NZM4-3P	F			x		600
			NZM4-4P, 3P+N	F			x		600
			NZM4-4P, 3P+N	F				x	600
			NZM4-3P	E					600

Note * Finish in special RAL colour

EATON Powering Business Worldwide


VT00109


vt03515

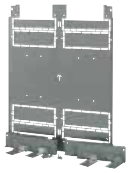

vt43215


vt44215


wa_vt34113


wa_vt56213


wa_vt62913


vt04015

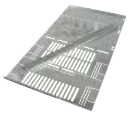
10 Universal mounting plate Article No. per unit unit = 1 pair	9 Front cover IP31 Article No. per unit unit = 1 pc.	9 2x Front cover IP31 Article No. per unit unit = 1 Set	9 Front cover IP42/IP55 Article No. per unit unit = 1 pc.	9 2x Front cover IP42/IP55 Article No. per unit unit = 1 Set	9 Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	9 2x Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	9 Crossbar Article No. per unit unit = 1 pc.	8 Mounting plate 1x NZM4 2x NZM4 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO			EVEN+OPPO
XSMIB20 284257	**XMN43F06C** 177104 186615*	-	**XMN43F06C-55** 180501 186558*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN44F06C** 177106 186617*	-	**XMN44F06C-55** 180502 186481*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN43F06C** 177104 186615*	-	**XMN43F06C-55** 180501 186558*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN44F06C** 177106 186617*	-	**XMN44F06C-55** 180502 186481*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN43F06C-XMV** 177105 186616*	-	**XMN43F06C-55-XMV** 180499 186556*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN44F06C-XMV** 177107 186618*	-	**XMN44F06C-55-XMV** 180500 186557*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN43F06C** 177104 186615*	-	**XMN43F06C-55** 180501 186558*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN44F06C** 177106 186617*	-	**XMN44F06C-55** 180502 186481*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	-	-	-	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124
XSMIB20 284257	**XMN43W06C** 180484 186541*	-	**XMN43W06C-55** 180510 186558*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4F06M** 177124

Note * Finish in special RAL colour

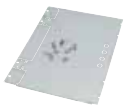
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Powering Business Worldwide



wa_vt70913



wa_vt72013



wa_vt34313



wa_vt62813



vt37115

15	15	18	12	12	13
Partition busbar area/ connection area (only NZM) section depth 600mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section depth 800mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition betw. feeder copper and connection copper on main busbar with NZM Form 4 only for the EVEN installation type Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switch gear/main bus-bar, swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN	EVEN+OPPO		EVEN+OPPO
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-MCB06** 178603
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-R-MCB06** 178606
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-DV-MCB06** 178605
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-D-MCB06** 178604
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPNBCB0602** 289175
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-MCB06** 178607

Note * Finish in special RAL colour

EATON
Powering Business Worldwide


vt40015


vt40115


vt35615


vt35315


VT126414


vt45515


wa_vt70513


wa_vt65513


wa_vt65413

14 Partition connection area D 600 Article No. per unit unit = 1 pair	14 Partition connection area D 800 Article No. per unit unit = 1 pc.	17 Central universal mounting pl. incoming area D 600 Article No. per unit unit = 1 pc.	17 Central universal mounting pl. incoming area D 800 Article No. per unit unit = 1 pc.	16 Contact protect. switchgear in-put/output Article No. per unit unit = 1 pair	16 Contact protec-tion for 3P+N Article No. per unit unit = 1 pc.	11 Cover for switchgear a. transparent Article No. per unit unit = 1 pc.	7 Door to switchgear a. ventilated, left, IP31 Article No. per unit unit = 1 pc.	7 Door to switch-gear area ventilated, right, IP31 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	**XPN4FMC-3P+N** 179301	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	**XPN4FMC-3P+N** 179301	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261* v
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	**XPN4FMC-3P+N** 179301	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	**XPN4FMC-3P+N** 179301	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	-	-	**XPN4MC-4P** 177119	**XPN4FMC-3P+N** 179301	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNW-R-BCB-2-0606 178633	**XPNW-R-BCB-2-0608** 178635	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*

Note * Finish in special RAL colour



wa_vt65313



wa_vt63013



VT30009

7	7	7	19	
Door to switch-gear a., closed, can be used left or right IP42/IP55 Article No. per unit unit = 1 pair	Door to switchgear area with cut-out f. measuring devices 96/96 IP42/IP55 Article No. per unit unit = 1 pc.	Door to switchgear area with cut-out for measuring devices 144/144 IP42/IP55 Article No. per unit unit = 1 pc.	Cable connection system Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO		
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	

Note * Finish in special RAL colour

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Notes

XP Section NZM4 in Form 4, Section Width 600 mm (continued)

Form 4



wa_vt75913

Item numbers of the exploded pictorial view

	I_{cc} kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed with mechanical lock	Fixed with rotary handle	Fixed with door coupling handle	Section width mm
Circuit breakers NZM4, EVEN+OPPO									
	65kA-400V 35kA-690V	800-1600	NZM4-4P, 3P+N	E					600
			NZM4-3P	E	x				600
			NZM4-4P, 3P+N	E	x				600
			2xNZM4-3P	F					600
			2xNZM4-3P	F	x				600
			2xNZM4-3P	F		x			600
			2xNZM4-3P	F			x		600
			2xNZM4-3P	F				x	600

Note * Finish in special RAL colour

EATON Powering Business Worldwide


VT00109


vt03515

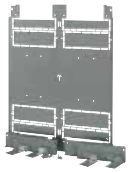

vt43215


vt44215


wa_vt34113


wa_vt56213


wa_vt62913


vt04015

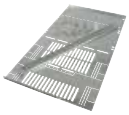
10	9	9	9	9	9	9	9	8
Universal mounting plate Article No. per unit unit = 1 pair	Front cover IP31 Article No. per unit unit = 1 pc.	2x Front cover IP31 Article No. per unit unit = 1 Set	Front cover IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover IP42/IP55 Article No. per unit unit = 1 Set	Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	Crossbar Article No. per unit unit = 1 pc.	Mounting plate 1x NZM4 2x NZM4 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO			EVEN+OPPO
XSMIB20 284257	**XMN44W06C** 180485 186542*	-	**XMN44W06C-55** 180511 186490*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4W06M** 177094
XSMIB20 284257	**XMN43W06C-XR** 180488 186545*	-	**XMN43W06C-55-XR** 180514 186493*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4W06M** 177094
XSMIB20 284257	**XMN44W06C-XR** 180489 186546*	-	**XMN44W06C-55-XR** 180515 186494*	-	**XMC0606** 102946 122418*	-	**XSFD0606** 113992 122619*	**XMN4W06M** 177094
XSMIB20 284257	-	**XM2N43F06C** 180480 186537*	-	**XM2N43F06C-55** 180505 186484*	-	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*	**XMN4F0602M** 177096
XSMIB20 284257	-	**XM2N43F06C** 180480 186537*	-	**XM2N43F06C-55** 180505 186484*	-	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*	**XMN4F0602M** 177096
XSMIB20 284257	-	**XM2N43F06C-XMV** 180482 186539*	-	**XM2N43F06C-55-XMV** 180507 186486*	-	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*	**XMN4F0602M** 177096
XSMIB20 284257	-	**XM2N43F06C** 180480 186537*	-	**XM2N43F06C-55** 180505 186484*	-	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*	**XMN4F0602M** 177096
XSMIB20 284257	-	-	-	-	-	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*	**XMN4F0602M** 177096

Note * Finish in special RAL colour

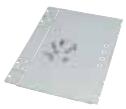
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wa_vt70913



wa_vt72013



wa_vt34313



wa_vt62813



vt37115

15	15	18	12	12	13
Partition busbar area/ connection area (only NZM) section depth 600mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section depth 800mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	Partition betw. feeder copper and connection copper on main busbar with NZM Form 4 only for the EVEN installation type Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar, swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN	EVEN+OPPO		EVEN+OPPO
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-MCB06** 178607
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-R-MCB06** 178645
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-R-MCB06** 178645
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-MCB06** 178610
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-DV-MCB06** 178612
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-D-MCB06** 178611
XPNBCB0602 289175	**XPNBCB0604** 289177	**XPNBCB-E-06** 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613

Note * Finish in special RAL colour

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vt40015


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vt35615


vt35315


VT126414


vt45515


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wa_vt65413

14	14	17	17	16	16	11	7	7
Partition connection area D 600 Article No. per unit unit = 1 pair	Partition connection area D 800 Article No. per unit unit = 1 pc.	Central universal mounting pl. incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting pl. incoming area D 800 Article No. per unit unit = 1 pc.	Contact protect. switchgear input/ output Article No. per unit unit = 1 pair	Contact protec-tion for 3P+N Article No. per unit unit = 1 pc.	Cover for connection a. transparent Article No. per unit unit = 1 pc.	Door to switchg. a. ventilated left IP31 Article No. per unit unit = 1 pc.	Door to switchg. a ventilated right IP31 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO
XPNW-R-BCB-2-0606 178633	**XPNW-R-BCB-2-0608** 178635	-	-	**XPN4MC-4P** 177119	**XPN4WMC-3P+N** 179302	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNW-R-BCB-2-0606 178633	**XPNW-R-BCB-2-0608** 178635	-	-	**XPN4MC-4P** 177119	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNW-R-BCB-2-0606 178633	**XPNW-R-BCB-2-0608** 178635	-	-	**XPN4MC-4P** 177119	**XPN4WMC-3P+N** 179302	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-3P** 177120	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-3P** 177120	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-3P** 177120	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-3P** 177120	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*
XPNBCB-2-0606 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-3P** 177120	-	**XPC0606** 284116	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*

Note * Finish in special RAL colour



wa_vt65313



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VT30009

7	7	7	19	
Door to switch-gear a., closed can be used left or right IP42/IP55 Article No. per unit unit = 1 pair	Door to switch-gear a. with cut-out f. measuring devices 96/96 IP42/IP55 Article No. per unit unit = 1 pc.	Door to switch-gear a. with cut-out f. measuring devices 144/144 IP42/IP55 Article No. per unit unit = 1 pc.	Cable connection system Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO		
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	
XSDMC0606 284195 122241*	**XSDMC0606-1-96 X** 112318 122608*	**DMC0606-1-144** 112328 122613*	see page xx	

Note * Finish in special RAL colour

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Notes

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XP Section NZM4 in Form 4, Section Width 800 mm

Form 4



wa_vt75913

Item numbers of the exploded pictorial view

	I_{cc} kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Section width mm
Circuit breakers NZM4, EVEN+OPPO									
	65kA-400V 35kA-690V	800-1600	NZM4-4P, 3P+N	F					800
			NZM4-4P, 3P+N	F	x				800
			NZM4-4P, 3P+N	F		x			800
			NZM4-4P, 3P+N	F			x		800
			NZM4-4P, 3P+N	F				x	800
			NZM4-4P, 3P+N	E					800
			NZM4-4P, 3P+N	E	x				800
			2xNZM4-4P, 3P+N	F					800
			2xNZM4-4P, 3P+N	F	x				800
			2xNZM4-4P, 3P+N	F		x			800

Note * Finish in special RAL colour

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VT00109


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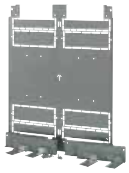

vt43215


vt44215


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wa_vt62913


vt04015

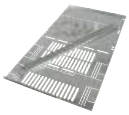
10 Universal mounting plate Article No. per unit unit = 1 pair	9 Front cover IP31 Article No. per unit unit = 1 pc.	9 2x Front cover IP31 Article No. per unit unit = 1 Set	9 Front cover IP42/IP55 Article No. per unit unit = 1 pc.	9 2x Front cover IP42/IP55 Article No. per unit unit = 1 Set	9 Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	9 2x Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	9 Crossbar Article No. per unit unit = 1 pc.	8 Mounting plate 1x NZM4 2x NZM4 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO			EVEN+OPPO
XSMIB20 284257	**XMN4F08C** 177108 186619*	-	**XMN4F08C-55** 180504 186483*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	**XMN4F08C** 177108 186619*	-	**XMN4F08C-55** 180504 186483*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	**XMN4F08C-XMV** 177109 186620*	-	**XMN44F08C-55-XMV** 180503 186482*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	**XMN4F08C** 177108 186619*	-	**XMN4F08C-55** 180504 186483*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	-	-	-	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	**XMN44W08C** 180486 186543*	-	**XMN44W08C-55** 180512 186491*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	**XMN44W08C-XR** 180490 186547*	-	**XMN44W08C-55-XR** 180516 186495*	-	**XMC0608** 102947 122419*	-	**XSFD0608** 113993 122620*	**XMN4F08M** 177125
XSMIB20 284257	-	**XM2N44F08C** 180481 186538*	-	**XM2N44F08C-55** 180506 186485*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4F0802M** 177097
XSMIB20 284257	-	**XM2N44F08C** 180481 186538*	-	**XM2N44F08C-55** 180506 186485*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4F0802M** 177097
XSMIB20 284257	-	**XM2N44F08C-XMV** 180483 186540*	-	**XM2N44F08C-55-XMV** 180508 186487*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4F0802M** 177097

Note * Finish in special RAL colour

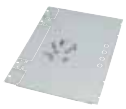
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wa_vt34313



wa_vt62813



15 Partition busbar area/ connection area (only NZM) section depth 600mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	15 Partition busbar area/ connection area (only NZM) section depth 800mm for the EVEN installation type of coupling section Article No. per unit unit = 1 pc.	18 Partition betw. feeder copper and connection copper on main busbar with NZM Form 4 only for the EVEN installation type Article No. per unit unit = 1 pc.	12 Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	12 Monunting plate partition switch-gear/main bus-bar, swivel-mounted Article No. per unit unit = 1 pc.	13 Partition switchgear top/bottom Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN	EVEN+OPPO		EVEN+OPPO
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-D-MCB08** 178647
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-R-MCB08** 178649
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-MCB08** 178608
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-R-MCB08** 178609
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-MCB08** 178614
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-DV-MCB08** 178616
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-D-MCB08** 178615
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-MCB08** 178618

Note * Finish in special RAL colour

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vt35315


VT126414


vt45515


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wa_vt65513


wa_vt65413

14	14	17	17	16	16	11	7	7
Partition connection area D 600	Partition connection area D 800	Central universal mounting pl. incoming area D 600	Central universal mounting pl. incoming area D 800	Contact protect. switchgear in-put/output	Contact protec-tion for 3P+N	Cover for connection a. transparent	Door to switchg. area ventilated, left, IP31	Door to switch-gear area, ventilated, right, IP31
Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	-	-	**XP2N4MC-4P** 177121	**XPN4FMC-3P+N** 179301	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	-	-	**XP2N4MC-4P** 177121	**XPN4FMC-3P+N** 179301	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-0808 178639	**XPNW-R-BCB-2-0808** 178639	-	-	**XP2N4MC-4P** 177121	**XPN4WMC-3P+N** 179302	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-0808 178639	**XPNW-R-BCB-2-0808** 178639	-	-	**XP2N4MC-4P** 177121	**XPN4WMC-3P+N** 179302	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-0808 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628	**XP2N4MC-4P** 177121	-	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*

Note * Finish in special RAL colour

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7	7	7	19	
Door to switch-gear a., closed, can be used left or right IP42/IP55 Article No. per unit unit = 1 pair	Door to switchgear area with cut-out f. measuring devices 96/96 IP42/IP55 Article No. per unit unit = 1 pc.	Door to switchgear area with cut-out for measuring devices 144/144 IP42/IP55 Article No. per unit unit = 1 pc.	Cable connection system Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO		
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96 X** 112319 122609*	**DMC0608-1-144** 112329 122614*	see page xx	

Note * Finish in special RAL colour

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Notes

XP Section NZM4 in Form 4, Section Width 800 mm (continued) and 1000 mm

Form 4



wa_vt75913

Item numbers of the exploded pictorial view

	I_{cc} kA	I_e up to A	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed with mechanical lock	Fixed with rotary handle	Fixed with door coupling handle	Section width mm
Circuit breakers NZM4, EVEN+OPPO									
	65kA-400V 35kA-690V	800-1600	2xNZM4-4P, 3P+N	F			x		800
			2xNZM4-4P, 3P+N	F				x	800
			2xNZM4-3P	E					800
			2xNZM4-3P	E	x				800
			2xNZM4-4P, 3P+N	E					1000
			2xNZM4-4P, 3P+N	E	x				1000

Note * Finish in special RAL colour

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VT00109


vt03515

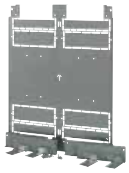

vt43215


vt44215


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wa_vt62913


vt04015

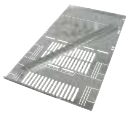
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Universal mounting plate Article No. per unit unit = 1 pair	Front cover IP31 Article No. per unit unit = 1 pc.	2x Front cover IP31 Article No. per unit unit = 1 Set	Front cover IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover IP42/IP55 Article No. per unit unit = 1 Set	Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	2x Front cover closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	Crossbar Article No. per unit unit = 1 pc.	Mounting plate 1x NZM4 2x NZM4 Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO			EVEN+OPPO
XSMIB20 284257	-	**XM2N44F08C** 180481 186538*	-	**XM2N44F08C-55** 180506 186485*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4F0802M** 177097
XSMIB20 284257	-	-	-	-	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4F0802M** 177097
XSMIB20 284257	-	**XM2N43W08C** 180491 186548*	-	**XM2N43W08C-55** 180517 186496*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4W0802M** 177098
XSMIB20 284257	-	**XM2N43W08C-XR** 180493 186550*	-	**XM2N43W08C-55-XR** 180519 186498*	-	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*	**XMN4W0802M** 177098
XSMIB20 284257	-	**XM2N44W10C** 180492 186549*	-	**XM2N44W10C-55** 180518 186497*	**XMC0610** 102948 122420*	-	**XSFD0610** 113994 122621*	**XMN4W1002M** 177099
XSMIB20 284257	-	**XM2N44W10C-XR** 180494 186551*	-	**XM2N44W10C-55-XR** 180520 186499*	**XMC0610** 102948 122420*	-	**XSFD0610** 113994 122621*	**XMN4W1002M** 177099

Note * Finish in special RAL colour

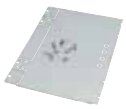
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wa_vt70913



wa_vt72013



wa_vt34313



wa_vt62813



vt37115

15	15	18	12	12	13
Partition busbar area/ connection area (only NZM) section depth 600mm for the EVEN installation type of coupling area Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section depth 800mm for the EVEN installation type of coupling area Article No. per unit unit = 1 pc.	Partition betw. feeder copper and connection copper on main busbar with NZM Form 4 only for the EVEN installation type Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switch-gear / main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN	EVEN+OPPO		EVEN+OPPO
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-D-MCB08** 178615
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-MCB08** 178618
XPNBCB0802 118735	**XPNBCB0804** 118736	**XPNBCB-E-08** 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-R-MCB08** 178619
XPNBCB1002 178623	**XPNBCB1004** 178624	**XPNBCB-E-10** 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-MCB10** 178620
XPNBCB1002 178623	**XPNBCB1004** 178624	**XPNBCB-E-10** 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-R-MCB10** 178621

Note * Finish in special RAL colour

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vt40015


vt40115


vt35615


vt35315


VT126414


vt45515


wa_vt70513


wa_vt65513


wa_vt65413

14	14	17	17	16	16	11	7	7
Partition connection area D 600	Partition connection area D 800	Central universal mounting plate incoming area D 600	Central universal mounting plate incoming area D 800	Contact protect. switchgear input/output	Contact protection for 3P+N	Cover for connection area, transparent	Door to switchgear area, ventilated, left, IP31	Door to switchgear area, ventilated, right, IP31
Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO	EVEN+OPPO
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNBCB-2-0806 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XP2N4FMC-3P+N** 180523	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-0808 178639	**XPNW-R-BCB-2-0808** 178639	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**-**	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-0808 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628	**XP2N4MC-4P** 177121	**-**	**XPC0608** 284117	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*
XPNW-R-BCB-2-1006 178641	**XPNW-R-BCB-2-1008** 178643	**XPNCCB06** 178625	**XPNCCB08** 178626	**XP2N4MC-4P** 177121	**XPN4WMC-3P+N** 179302	**XPC0610** 133078	**XSDMLV0610** 285507 122375*	**XSDMRV0610** 285508 122376*
XPNW-R-BCB-2-1006 178641	**XPNW-R-BCB-2-1008** 178643	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628	**XP2N4MC-4P** 177121	**XPN4WMC-3P+N** 179302	**XPC0610** 133078	**XSDMLV0610** 285507 122375*	**XSDMRV0610** 285508 122376*

Note * Finish in special RAL colour

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wa_vt65313



wa_vt63013



VT30009

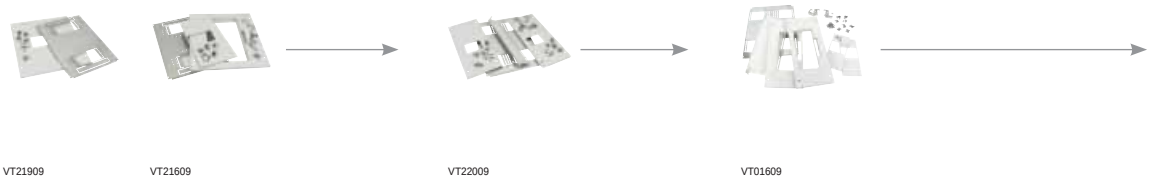
7	7	7	19	
Door to switch-gear a., closed can be used left or right IP42/IP55 Article No. per unit unit = 1 pair	Door to switchgear a. with cut-out f. measuring de-vices, 96/96 IP42/IP55 Article No. per unit unit = 1 pc.	Door to switchgear a. with cut-out f. measuring de-vices 144/144 IP42/IP55 Article No. per unit unit = 1 pc.	Cable connection system Article No. per unit unit = 1 pc.	
EVEN+OPPO	EVEN+OPPO	EVEN+OPPO		
XSDMC0608 284196 122242*	**XSDMC0608-1-96** 112319 122609*	**XSDMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96** 112319 122609*	**XSDMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96** 112319 122609*	**XSDMC0608-1-144** 112329 122614*	see page xx	
XSDMC0608 284196 122242*	**XSDMC0608-1-96** 112319 122609*	**XSDMC0608-1-144** 112329 122614*	see page xx	
XSDMC0610 285506 122374*	**XSDMC0610-1-96** 112320 122610*	**XSDMC0610-1-144** 112330 122615*	see page xx	
XSDMC0610 285506 122374*	**XSDMC0610-1-96** 112320 122610*	**XSDMC0610-1-144** 112330 122615*	see page xx	

Note * Finish in special RAL colour


NZM3/4 Form 4 Components

Fitting kits NZM 3 Form 4

Including base plate, front plate, fastening bracket, cross ridges and fastening material.



VT21909 VT21609 VT22009 VT01609

Section width mm	Fitting kit for NZM 3 in incoming/ outgoing sect. Article No. per unit	Fitting kit for NZM 3 in incoming/ outgoing sect. withdrawable Article No. per unit	Fitting kit for NZM 3 in incoming/ outgoing s. withdrawable with motor lift Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect withdrawable Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect with motor lift Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect. withdrawable Article No. per unit
	NZM 3 Form 4							
425	**XMN3304** 124411 124412*	**XMN3304-1** 129009 129012*	**XMN3304-2** 129010 129013*	-	-	-	-	-
600	-	-	-	**XMN330602** 107982 122555*	**XMN340602** 107983 122556*	**XMN330602-1** 110274 122602*	**XMN330602-R** 110277 122605*	-
800	-	-	-	-	-	-	-	**XMN340802-1** 110275 122603*

Key to single fitting kits:

XMN3304-1

- Type
- Size of c.b.
- Number of poles
- Width of section
- No figure = fixed
- 1 = withdrawable
- 2 = withdrawable + motor lift

Key to double fitting kits:

XMN330602-1

- Types
- Size of c.b.
- Number of poles
- Width of section
- Number of switchgear
- No figure = fixed
- 1 = withdrawable
- 2 = withdrawable + motor lift
- R = motor lift

Note * Finish in special RAL colour

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Fitting kits NZM 3 Form 4 (cont.)

Including base plate, front plate, fastening bracket, cross ridges and fastening material.



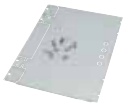
VT01609

Section width mm	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect. withdrawable with motor lift Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect. withdrawable with motor lift Article No. per unit	
	NZM 3 Form 4		
425	-	-	
600	**XMN330602-2** 125995 125996*	-	
800	-	**XMN340802-2** 125997 125998*	

Note * Finish in special RAL colour

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Mounting Plate NZM 3 Form 4



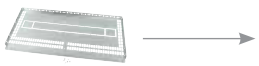
wa_vt34313

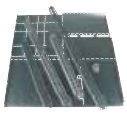


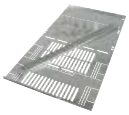
wa_vt62813

Section width mm	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	
425	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	
600	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	
800	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	

Partitions NZM 3 Form 4


wa_vt62413


VT00911


wa_vt72013


wa_vt70913


wa_vt70513

Section width mm	Partition connection a./ switchgear a. Form 4 Article No. per unit unit = 1 pc.	Partition switchgear a./ switchgear a. Form 4 Article No. per unit unit = 1 pc.	Separation p. between connection areas of 2x NZM3 Article No. per unit unit = 1 pc.	Partition between feeder copper and connection copper on main busbar with Form 4 only for EVEN Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section d. 600mm Form 4 Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) section depth 800mm Form 4 Article No. per unit unit = 1 pc.	Partition connection area Form 4 Article No. per unit unit = 1 pc.
425	**XPNMCB04** 284174	**XPMMB0404** 284163	**XPNCCB** 126009	**XPNBCB-E-04** 121448	**XPNBCB0402** 289174	**XPNBCB0404** 289176	**XPC0604** 284115
600	**XPNMCB06** 284175	**XPMMB0604** 284164	**-**	**XPNBCB-E-06** 121449	**XPNBCB0602** 289175	**XPNBCB0604** 289177	**XPC0606** 284116
800	**XPNMCB08** 116455	**XPMMB0804** 284165	**-**	**XPNBCB-E-08** 121450	**XPNBCB0802** 118735	**XPNBCB0804** 118736	**XPC0608** 284117

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Mounting Plates NZM 4 Form 4



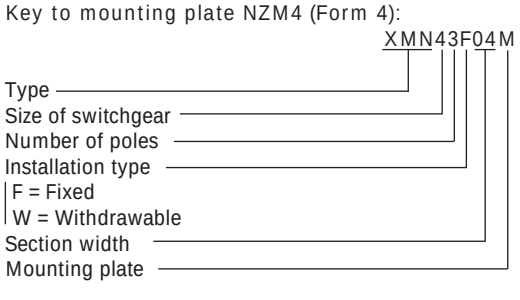
vt04015



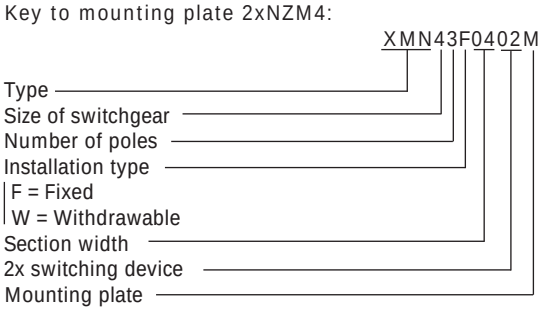
vt03015

Section width mm	Mounting plate NZM4 3 poles incoming/ outgoing sect. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate NZM4 3 poles incoming/ outgoing sect. withdrawable/ motor lift Article No. per unit unit = 1 pc.	Mounting plate NZM4 4 poles incoming/ outgoing sect. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate NZM4 4 poles incoming/ outgoing sect. withdrawable/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2xNZM4 3 poles incoming/ outgoing sect. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2xNZM4 4 poles incoming/ outgoing sect. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2xNZM4 3 poles incoming/ outgoing sect- withdrawable/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2xNZM4 4 poles incoming/ outgoing sect. withdrawable/ motor lift Article No. per unit unit = 1 pc.
425	**XMN43F04M** 177122	-	-	-	-	-	-	-
600	**XMN4F06M** 177124	**XMN4W06M** 177094	**XMN4F06M** 177124	**XMN4W06M** 177094	**XMN4F0602M** 177096	-	-	-
800	-	-	**XMN4F08M** 177125	**XMN4W08M** 177095	-	**XMN4F0802M** 177097	**XMN4W0802M** 177098	-
1000	-	-	-	-	-	-	-	**XMN4W1002M** 177099

Key to mounting plate NZM4 (Form 4):

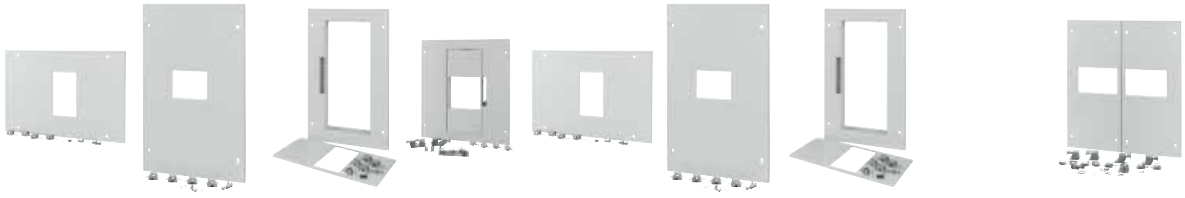


Key to mounting plate 2xNZM4:



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Front Covers NZM 4 Form 4



vt121514 vt03515 vt02815 vt70815 vt121514 vt03515 vt02815

Section width mm	Front cover NZM4 3 poles fixed/ remote op. IP31 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed with mechanical lock IP31 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable IP31 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable with remote operation IP31 Article No. per unit unit = 1 pc.	Front Cover NZM4 4 poles fixed/re- mote op. IP31 Article No. per unit unit = 1 pc.	Front Cover NZM4 4 poles fixed with mechanica lock IP31 Article No. per unit unit = 1 pc.	Front Cover NZM4 4 poles withdrawable IP31 Article No. per unit unit = 1 pc.	Front Cover NZM4 4 poles withdrawable with remote operation IP31 Article No. per unit unit = 1 pc.	Front Cover 2x NZM4 3 poles fixed/ remote oper. IP31 Article No. per unit unit = 1 pc.
425	**XMN43F04C** 177100 186611*	**XMN43F04C-XMV** 177101 186612*	-	-	-	-	-	-	-
600	**XMN43F06C** 177104 186615*	**XMN43F06C-XMV** 177105 186616*	**XMN43W06C** 180484 186541*	**XMN43W06C-XR** 180488 186541*	**XMN44F06C** 177106 186617*	**XMN44F06C-XMV** 177107 186618*	**XMN44W06C** 180485 186542*	**XMN44W06C-XR** 180489 186546*	**XM2N43F06C** 180480 186537*
800	-	-	-	-	**XMN4F08C** 177108 186619*	**XMN4F08C-XMV** 177109 186620*	**XMN44W08C** 180486 186543*	**XMN44W08C-XR** 180490 186547*	-
1000	-	-	-	-	-	-	-	-	-

Key to front cover NZM4 IP31:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Degree of protection IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Note * Finish in special RAL colour

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Front Covers NZM 4 Form 4 (continued)


vt69215


vt69015


vt69315


vt45215


vt43615


vt44715

Section width mm	Front cover 2x NZM4 3 poles fixed inst. with mecha-nical lock IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable with remote operation IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst./ remote operation IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst. with mecha-nical lock IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdraw-able, IP31 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdrawable with remote operation IP31 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed inst. with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.
425	-	-	-	-	-	-	-	**XMN43F04C-55** 180497 186554*	**XMN43F04C-55-XMV** 180495 186552*
600	**XM2N43F06C-XMV** 180482 186539*	-	-	-	-	-	-	**XMN43F06C-55** 180501 186558*	**XMN43F06C-55-XMV** 180499 186556*
800	-	**XM2N43W08C** 180491 186548*	**XM2N43W08C-XR** 180493 186550*	**XM2N44F08C** 180481 186538*	**XM2N44F08C-XMV** 180483 186540*	-	-	-	-
1000	-	-	-	-	-	-	**XM2N44W10C-XR** 180494 186551*	-	-

Key to front cover NZM4 IP31:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Degree of protection IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Note * Finish in special RAL colour

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Front Covers NZM 4 Form 4 (continued)



vt43615 vt43715 vt43615 vt44915 vt43715 vt44115 vt44015 vt45315 vt69115

Section width mm	Front cover NZM4 3 poles withdrawable IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst. with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles withdrawable IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles fixed inst. with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdraw-able IP43/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.
425	**XMN43W04C-55** 180509 186488*	**XMN43W04C-55-XR** 180513 186492*	-	-	-	-	-	-	-
600	**XMN43W06C-55** 180510 186489*	**XMN43W06C-55-XR** 180514 186493*	**XMN44F06C-55** 180502 186481*	**XMN44F06C-55-XMV** 180500 186557*	**XMN44W06C-55** 180511 186490*	**XM2N43F06C-55** 180505 186484*	**XM2N43F06C-55-XMV** 180507 186486*	-	-
800	-	-	**XMN4F08C-55** 180504 186483*	**XMN44F08C-55-XMV** 180503 186482*	**XMN43W06C-55-XR** 180514 186493*	-	-	**XM2N43W08C-55** 180517 186496*	**XM2N43W08C-55-XR** 180519 186498*
1000	-	-	-	-	-	-	-	-	-

Key to front cover NZM4 IP31:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

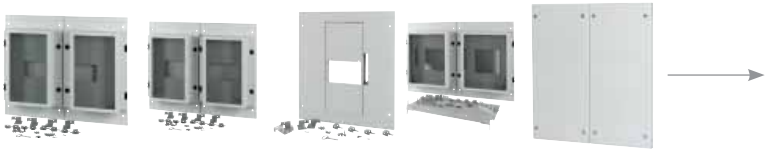
XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Degree of protection IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Front Covers NZM 4 Form 4 (continued)



vt44115 vt44215 vt69815 vt70715 wa_vt56213

Section width mm	Front cover 2x NZM4 4 poles fixed inst./ remote op IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst. with mecha-nical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front Cover 2x NZM4 4 poles withdraw-able IP42/IP55 Article No. per unit unit = 1 pc.	Front Cover 2x NZM4 4 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.	Front Cover NZM4 closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	Front Cover 2x NZM4 closed without cut-out IP42/IP55 Article No. per unit unit = 1 pc.	
425	-	-	-	-	**XMC0604** 102945 122417*	-	
600	-	-	-	-	**XMC0606** 102946 122418*	**XMC060602** 107987 122560*	
800	**XM2N44F08C-55** 180506 186485*	XM2N44F08C-55-XMV 180508 186487*	-	-	**XMC0608** 102947 122419*	**XMC060802** 107988 122561*	
1000	-	-	XM2N44W10C-55 180518 186497*	XM2N44W10C-55-XR 180520 186499*	**XMC0610** 102948 122420*	-	

Key to front cover NZM4 IP31:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = Fixed installation
  - W = Withdrawable
- Section width
- Cover
- Degree of protection IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Notes

Partitions NZM 4 Form 4

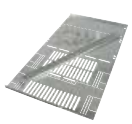


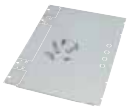
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Section width mm	Poles	Installation type F = Fixed E = Withdraw-able	Remote operation	Fixed install. with mecha-nical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
425	NZM4-3P	F					**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F	x				**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F		x			**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F			x		**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F				x	**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	E					**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	E	x				**XPNBCB0402** 289174	**XPNBCB0404** 289176
600	NZM4-3P	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F				x	**XPNBCB0602** 289175	**XPNBCB0604** 289177

Note * Finish in special RAL colour

Powering Business Worldwide


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wa_vt62813


vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM Form 4 only f. EVEN Article No. per unit unit = 1 pc.	Partition switch-gear area/ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switch-gear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection area D 600 Article No. per unit unit = 1 pc.	Partition connection area D 800 Article No. per unit unit = 1 pc.	Central universal mounting pl. incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-MCB04** 178597	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-DV-MCB04** 178599	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-D-MCB04** 178598	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-MCB04** 178601	**XPNW-R-BCB-2-0406** 178629	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-R-MCB04** 178602	**XPNW-R-BCB-2-0406** 178629	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-MCB06** 178603	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-R-MCB06** 178606	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-DV-MCB06** 178605	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-D-MCB06** 178604	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-R-MCB06** 178606	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-

Note * Finish in special RAL colour

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Partitions NZM 4 Form 4 (continued)



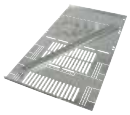
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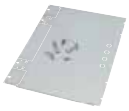
Section width mm	Poles	Installation type F = Fixed inst. E = Withdraw-able	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed inst. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
600	NZM4-3P	E					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	E					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	E	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	E	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F				x	**XPNBCB0602** 289175	**XPNBCB0604** 289177
800	NZM4-4P, 3P+N	F					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F		x			**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F			x		**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F				x	**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	E					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	E	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736

Note * Finish in special RAL colour

EATON Powering Business Worldwide

xEnergy Main Switchboards


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wa_vt34313


wa_vt62813


vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM Form 4 only f.EVEN Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection a. D 600 Article No. per unit unit = 1 pc.	Partition connection a. D 800 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-MCB06** 178607	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-R-MCB06** 178645	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-MCB06** 178610	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-DV-MCB06** 178612	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-D-MCB06** 178611	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-MCB08** 178646	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-R-MCB08** 178649	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-DV-MCB08** 178648	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-D-MCB08** 178647	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-R-MCB08** 178649	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-MCB08** 178608	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-R-MCB08** 178609	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**-**	**-**

Note * Finish in special RAL colour

Powering Business Worldwide

Partitions NZM 4 Form 4 (continued)

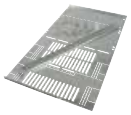


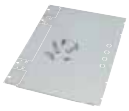
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Section width mm	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
800	2xNZM4-4P, 3P+N	F					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F		x			**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F			x		**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F				x	**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-3P	E					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-3P	E	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
1000	2xNZM4-4P, 3P+N	E					**XPNBCB1002** 178623	**XPNBCB1004** 178624
	2xNZM4-4P, 3P+N	E	x				**XPNBCB1002** 178623	**XPNBCB1004** 178624

Note * Finish in special RAL colour

EATON Powering Business Worldwide


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vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM Form 4 only f.EVEN Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection a. D 600 Article No. per unit unit = 1 pc.	Partition connection a. D 800 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-MCB08** 178614	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-DV-MCB08** 178616	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-D-MCB08** 178615	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-MCB08** 178618	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-R-MCB08** 178619	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-10 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-MCB10** 178620	**XPNW-R-BCB-2-1006** 178641	**XPNW-R-BCB-2-1008** 178643	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-10 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-R-MCB10** 178621	**XPNW-R-BCB-2-1006** 178641	**XPNW-R-BCB-2-1008** 178643	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628

Note * Finish in special RAL colour

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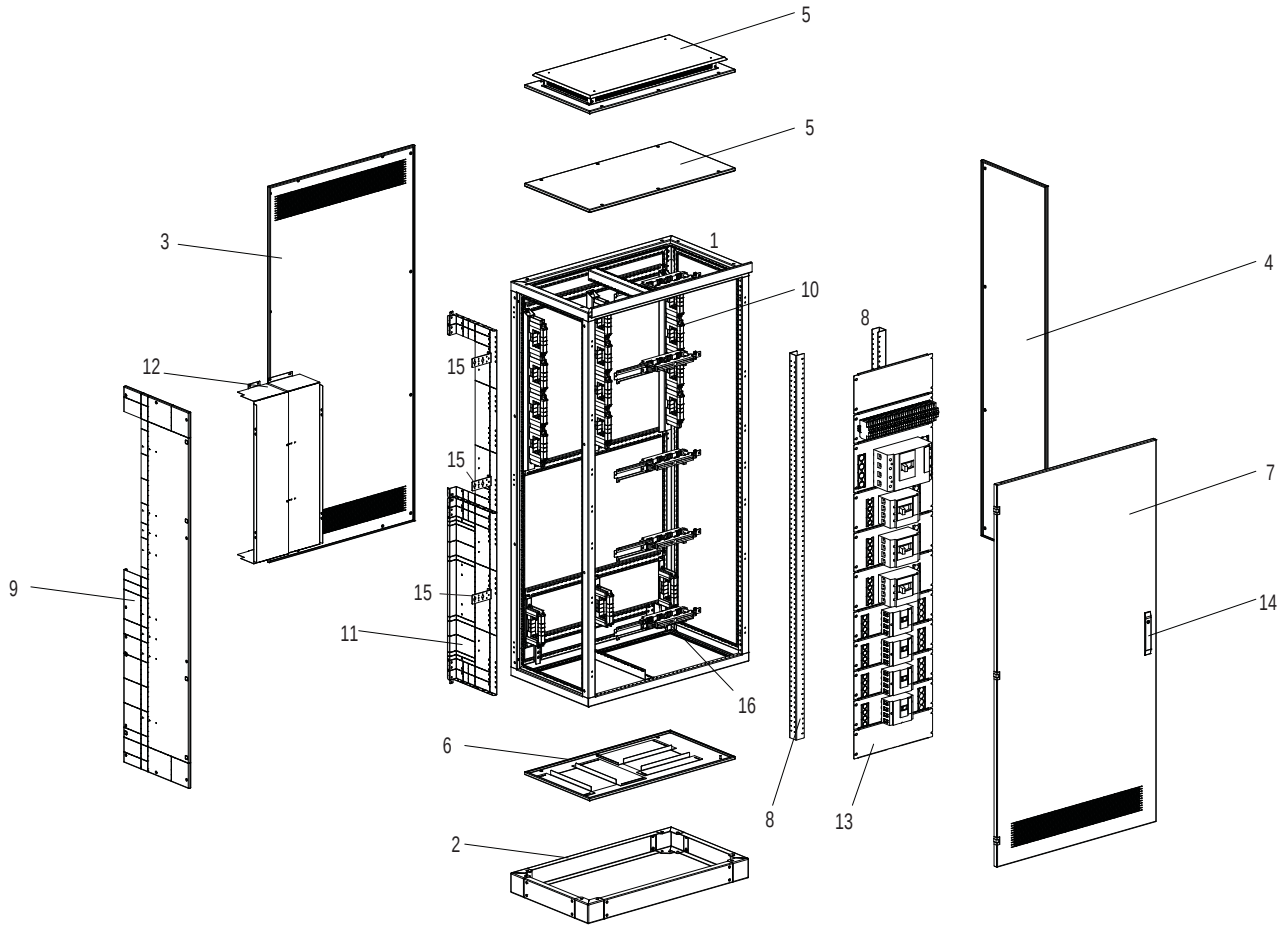
XF = Outgoing sections - fixed design

Outgoing section in Form 2 . . . . . Page xx
Outgoing section in Form 4 . . . . . Page xx
Outgoing section - Box Solution, Motor Control Centers in fixed design . . . . . Page xx
Outgoing sections for fuse strips . . . . . Page xx
Outgoing sections for fuse strips with dropper bar across two sections . . . . . Page xx

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Outgoing Section in Form 2

Katalog 3-1 NZM-2b



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Ftting kit for outgoers with circuit breaker
9 Separation panel between section/section
10 Main busbar support
11 Partition connection area/dropper bar a.
12 Partition main busbar area/cable connection area
13 Mounting plates
14 Lock mechanism
15 Angle bracket for N and PEN dropper bar
16 Support for dropper bar

Features

- Widths of 800/1000/1200 mm
- Module widths of 425 and 600 mm
- 3 or 4 poles
- Form 2
- IP31/IP55
- Circuit breaker suitable for plug base
  - NZM3 with plug base ... in sections 800 mm deep
- Suitable for switchgear with remote operation
- Separate doors for switchgear area and connection area
- Transparent doors are available (glass d.)
- Dropper bars from 800 to 1600 A
- Separate setup in 2 separate sections of switchgear area and cable connection area is possible e.g. 600 mm / 600 mm

Notes

Frame comes with a blue design strip.
Doors include locking system for 3mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
The maximum height available for the installation of mounting plates is 1900 mm.
For flanges, clip-down handle, lifting eyebolts, 180° hinges, fixing brackets, Durostone posts, connection kits, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories”.

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Outgoing Section in Form 2, Main Busbars rear-mounted (HSS)

Form 2



wa_vt77113



VT19909



wa_vt68213

Section depth mm	Section width mm	Module width mm	Connection area width mm	Fitting kit for outgoers with circuit breaker Article No. per unit	Mounting plates Article No. per unit
600	600	425	200	**XSMFIB0606** 284253	see page xx
	800	425	400	**XSMFIB0606** 284253	see page xx
	800	600	200	**XSMFIB0606** 284253	see page xx
	1000	600	400	**XSMFIB0606** 284253	see page xx
800	600	425	200	**XSMFIB0608** 284254	see page xx
	800	425	400	**XSMFIB0608** 284254	see page xx
	800	600	200	**XSMFIB0608** 284254	see page xx
	1000	600	400	**XSMFIB0608** 284254	see page xx

Note * Finish in special RAL colour

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VT25109


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wa_vt58813 wa_vt59013


wa_vt69913


wa_vt70013

Separation p. partition connection/ dropper bar Article No. per unit	Partition connection area/ main bus bar Article No. per unit	Support for dropper busbar Article No. per unit	Extension bracket Article No. per unit	Angle bracket for PE or PEN in connection area Article No. per unit	Angle bracket for N +PEN in connect. area Article No. per unit	
XPFCD2006 284132	**XPFCB02** 284745	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2006 284132	**XPFCB04** 284119	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2006 284132	**XPFCB02** 284745	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2006 284132	**XPFCB04** 284119	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2008 284133	**XPFCB02** 284745	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2008 284133	**XPFCB04** 284119	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2008 284133	**XPFCB02** 284745	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	
XPFCD2008 284133	**XPFCB04** 284119	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	

Note * Finish in special RAL colour


Components Outgoing Section in Form 2

Accessories

Fitting kits for outgoing sections Form 2



VT19909

Section depth mm	Fitting kits for LS outgoing sections Form 2 Article No. per unit
600	**XSMFIB0606** 284253
800	**XSMFIB0608** 284254

Accessories for outgoing sections Form 2: Partitions for internal separation



VT25109

Section depth mm	Form 2/4 Partition connection area/ dropper bar area Article No. per unit unit = 1 set
600	**XPFCD2006** 284132
800	**XPFCD2008** 284133

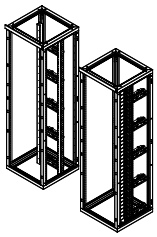


wa_vt71913

Section width mm	Form 2/4 Connection area/ dropper bar area in the widths of 200/400/600 Article No. per unit unit = 1 set
800	**XPFCB02** 284745
1000	**XPFCB04** 284119
1200	**XPFCB06** 284746

Powering Business Worldwide

Dropper Bars up to 1600 A for Outgoing Sections, Fitting Kits

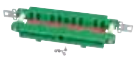


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Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT, TT
- I_{cw} (1 s) up to 50 kA[1)]



wa_vt58813



wa_vt58913

Angle bracket for N and PEN in the cable connection area



wa_vt69913



wa_vt70013

I_e	Busbar cross-sections		Type of busbar support		Type of support for conductor in connection area[1)]	
			3 poles L1, L2, L3, or 4 poles L1, L2, L3, N	End support at the bottom	PE or PEN	N+PEN
A	L1, L2, L3, full N mm²	PE, PEN mm²	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit
Dropper bars on the side, center-to-center phase distance 60 mm						
800	2 x 20 x 10	1 x 20 x 10	**XDSF08** 283888	**XDSF08E** 283889	**XDSFP** 283895	**XDSFN** 283894
1250	2 x 40 x 10	1 x 40 x 10	**XDSF12** 283890	**XDSF12E** 283891	**XDSFP** 283895	**XDSFN** 283894
1600	2 x 60 x 10	1 x 60 x 10	**XDSF16** 283892	**XDSF16E** 283893	**XDSFP** 283895	**XDSFN** 283894



wa_vt59013



VT00412

Module width	Type Extension bracket for busbar support XDSF... for rear-mounted dropper bars	Type Extension bracket for busbar support (strong design for lowest position)
mm	Article No. per unit	
425	**not required**	-
600	**XDB06** 283885	**XADB06E** 166745

Note [1)] Also suitable for mounting cable ducts, auxiliary busbars etc.

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for FAZ



wa_vt68413



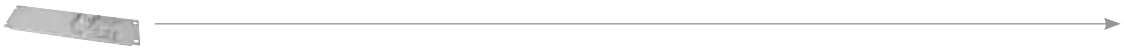
wa_vt55013



wa_vt71413

Width mm	UK Article No. per unit	min. H = 150 mm 1 row Article No. per unit	min. H = 200 mm 1 row Article No. per unit	min. H = 300 mm 2 rows Article No. per unit	min. H = 400 mm 2 rows Article No. per unit	
425	-	**XMMC0604M** 283980	**XMMC0804M** 283984	**XMMC1204M** 283988	**XMMC1604M** 283992	
600	**XMPL10606M-UK** 110254	**XMMC0606M** 283982	**XMMC0806M** 283986	**XMMC1206M** 283990	**XMMC1606M** 283994	
800	-	**XMMC0608M** 106736	**XMMC0808M** 106737	-	-	
1000	-	**XMMC0610M** 106738	**XMMC0810M** 106739	-	-	

Accessories for Outgoing Sections: Mounting Plates - Empty



wa_vt33513

Width mm	H = 50 mm Article No. per unit	H = 100 mm Article No. per unit	H = 150 mm Article No. per unit	H = 200 mm Article No. per unit	H = 250 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit
425	**XME0204M** 283923	**XME0404M** 283929	**XME0604M** 284727	**XME0804M** 283941	**XME1004M** 144585	**XME1204M** 285684	**XME1404M-1** 110333	**XME1604M** 283949
600	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M-1** 110339	**XME1606M** 283951

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for PKZ



wa_vt68313



wa_vt68113

Width mm	Horizontal 3 poles H = 50 mm Article No. per unit	Horizontal 3 poles H = 100 mm Article No. per unit
425	**XMP030204M** 284088	**XMP430404M** 284096
600	**XMP030206M** 284090	**XMP430406M** 284098

Accessories for Outgoing Sections: Mounting Plates for NZM1



wa_vt68013



wa_vt68113

Width mm	UK 1xNZM1 horiz. 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 100 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 150 mm plug-in mod. technology Article No. per unit	2xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	2xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit
425	-	**XMN130404M** 283996	**XMN140604M** 284004	**XMN130604MP** 121798	**XMN131204MV** 284000	-	**XMN141204MV** 284008	-
600	**XMN140606M-UK** 110255	**XMN130406M** 283998	**XMN140606M** 284006	**XMN130606MP** 121796	-	**XMN131206MV** 284002	-	**XMN141206MV** 284010

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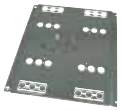
Accessories for Outgoing Sections: Mounting Plates for NZM2



wa_vt54913

Width mm	UK 1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm plug-in module technology Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm with motor lift (sticking 15mm out of front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm plug-in module technology Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm cover for RCD module fixed Article No. per unit	2xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit
425	-	**XMN230604M** 284012	-	-	**XMN240804M** 284025	-	-	**XMN231604MV** 284016
600	**XMN240606M-UK** 110256	**XMN230606M** 284014	**XMN230606MP** 284724	**XMN230606M** 284014	**XMN240806M** 284027	**XMN240806MP** 284726	**XMN240806MF** 134485	-

Accessories for Outgoing Sections: Mounting Plates for NZM2 (several devices on one plate)



wa_vt73113

Width mm	3xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 3 poles H = 600 mm plug-in module technology Article No. per unit	3xNZM2 vertical 3 poles H = 600 mm plug-in module technology Article No. per unit	2xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 4 poles H = 600 mm plug-in module technology Article No. per unit	
425	-	**XMN232404MV** 284020	-	**XMN241604MV** 284029	**XMN242404MV** 284033	
600	**XMN231606MV** 284018	-	**XMN232406MV** 284022	**XMN241606MV** 284031	**XMN242406MV** 284035	

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Accessories for Outgoing Sections: Mounting Plates for NZM3



wa_vt72913

Width mm	UK 1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	2xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm withdrawable Article No. per unit
425	-	-	-	-	-	**XMN332404MV** 284046	-	**XMN332404MV** 284046
600	**XMN340606M-UK** 110257	**XMN330806M** 284038	**XMN331006M** 284041	**XMN341006M** 284054	**XMN341206M** 284057	-	**XMN332406MV** 284051	**XMN332406MV** 284051

Accessories for Outgoing Sections: Mounting Plates for NZM3 (cont.)



wa_vt72913

Width mm	1xNZM3 vertical 4 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm withdrawable Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit
425	**XMN342404MV** 284062	**XMN342404MV** 284062	-	-
600	**XMN342406MV** 284067	**XMN342406MV** 284067	**XMN330806M** 284038	**XMN341006M** 284054

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Accessories for Outgoing Sections: Mounting Plates for Box Solution



VT00909

Width mm	NZM1 3+4 poles H = 200 mm horizontal Article No. per unit	NZM2 3 poles H = 200 mm horizontal Article No. per unit	NZM2 4 poles H = 300 mm fixed/withdraw. horizontal Article No. per unit	NZM3 3+4 poles H = 600 mm fixed vertical Article No. per unit	NZM3 3+4 poles H = 600 mm fixed horizontal Article No. per unit	NZM3 3+4 poles H = 300 mm fixed horizontal Article No. per unit	NZM3 3+4 poles H = 500 mm withdrawable horizontal Article No. per unit
425	**XMN130804M-BS** 125973	**XMN230804M-BS** 125974	**XMN241204M-BS** 125975	**XMN342404M-BS** 125976	-	-	-
600	**XMN130806M-BS** 125977	**XMN230806M-BS** 125978	**XMN241206M-BS** 125979	-	**XMN342406M-BS** 125982	**XMN341206M-F-BS** 125980	**XMN342006M-W-BS** 125981

Accessories for Outgoing Sections: Mounting Plates for XNH (disconnector)



wa_vt68813



wa_vt70613



wa_vt70413



wa_vt70313

Width mm	For 3 units of XNH00 or 1 XNH3 H = 300 mm Article No. per unit	For 2 units of XNH1 H = 400 mm Article No. per unit	For 1 unit of XNH2 H = 400 mm Article No. per unit	For XNH3 H = 600 mm Article No. per unit
600	**XMG031206MV** 283952	**XMG131606MV** 283953	**XMG231606MV** 283954	**XMG332406M** 114834

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Accessories for 5000A application with a section depth of 1000mm

Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

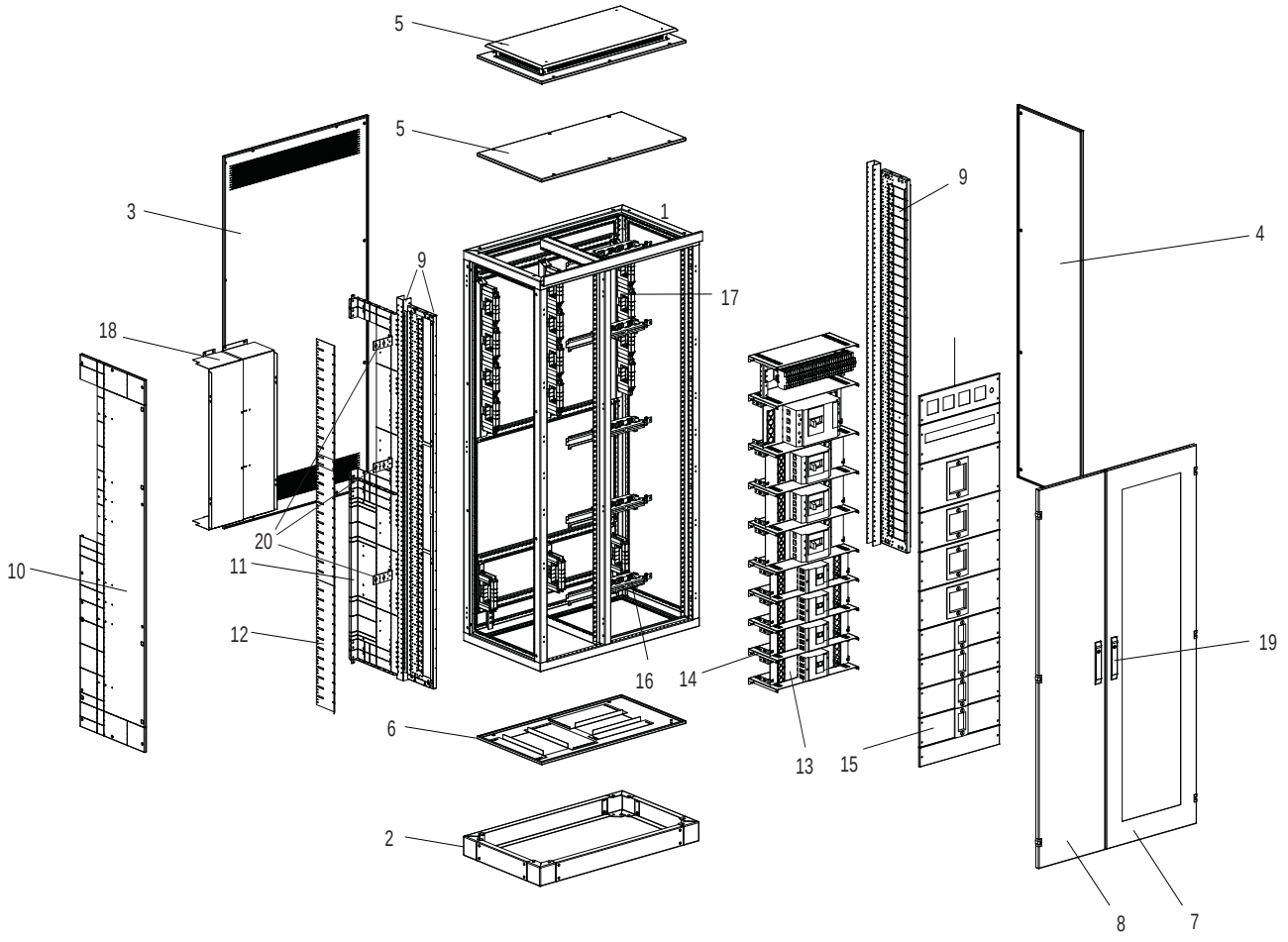
Section width mm	Switchgear area width mm	Cable connect. area width mm	NZM outgoing sections Form 2/4 Article No. per unit unit = 1 set
600	425	172	**XPFBCB172** 158606
800	425	372	**XPFBCB372** 158607
	600	197	**XPFBCB197** 158608
1000	600	397	**XPFBCB397** 158609
1200	600	597	**XPFBCB597** 158610

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

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Outgoing Section in Form 4

Katalog 3-1 NZM 4



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door to switchgear area
8 Door to connection area
9 Fitting kit for outgoers with circuit breaker
10 Separation panel section/section
11 Separation panel dropper bar area/connection area
12 Closing strip
13 Mounting plates
14 Separation switchgear area/switchgear a.
15 Front plates
16 Support for dropper bar
17 Support for main busbar
18 Partition main busbar a./connection area
19 Lock mechanism
20 Angle bracket for N and PEN dropper bar

Features

- Widths of 800/1000/1200 mm
- Module widths of 425 and 600 mm
- 3 or 4 poles
- Form 4
- IP31/IP55
- Circuit breaker can be used with plug base
- Suitable for switchgear with remote operation
- Separate door to switchgear area and connection area
- Transparent doors are possible (glass)
- Dropper bar from 800 to 1600 A
- Separate setup in 2 separate sections of switchgear area and cable connection area is possible, e.g. 600 mm / 600 mm

Notes

Frame comes with a blue design strip.
Doors include locking system for 3mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
In order to allow the air to circulate in IP31, you need to install a ventilated front panel, 100 mm high, at the very bottom.
The maximum height available for the installation of mounting plates is 1800 mm in IP 31 and 1900 mm in IP51.
For flanges, clip-down handle, lifting eyebolts, 180° hinges, fixing brackets, Durostone posts, connection kits, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories”.

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Outgoing Section/Fixed installation in Form 4, Main Busbars rear-mounted (HSS), Section Depth 600 mm

Form 4



wa_vt77013



VT19809

Section depth mm	Section width mm	Module width mm	Connection area width	Fitting kit for outgoers with circuit breaker in Form 4 Article No. per unit
600	425	425	0	**XSMFDB0406-2** 125991 125992*
	600	425	200	**XSMFDB0406** 284246 122289*
		600	0	**XSMFDB0606-2** 110252 122594*
	800	425	400	**XSMFDB0406** 284246 122289*
		600	200	**XSMFDB0606** 284248 122291*
	1000	600	400	**XSMFDB0606** 284248 122291*
	1200	600	600	**XSMFDB0606** 284248 122291*

Note * Finish in special RAL colour



wa_vt57913 wa_vt54913 wa_vt67913 VT25109 wa_vt71913 wa_vt58013 wa_vt58813 wa_vt59013 wa_vt69913 wa_vt70013

Closing strips Article No. per unit	Mounting plates Article No. per unit	Front panels Article No. per unit	Separation p. partition connection/ dropper bar Article No. per unit	Partition [1] connection area/ main bus-bar Article No. per unit	Partition switchgear area/switch-gear area Article No. per unit	Support for dropper busbar Article No. per unit	Extension bracket Article No. per unit	Angle bracket for PE or PEN in connection area Article No. per unit	Angle bracket for N+PEN in connection area Article No. per unit
XPFMC 284146	see page xx	see page xx	-	-	**XPFMM04** 284147	see page xx	-	-	-
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB02** 284745	**XPFMM04** 284147	see page xx	-	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	-	-	**XPFMM06** 284148	see page xx	**XDB06** 283885	-	-
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB04** 284119	**XPFMM04** 284147	see page xx	-	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB02** 284745	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB04** 284119	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB06** 284746	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894

Note

[1] Width = depending on module width and width of section
* Finish in special RAL colour

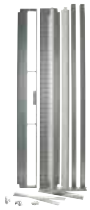
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Outgoing Section/Fixed in Form 4, Main Busbars rear-mounted (HSS), Section Depth 800 mm

Form 4



wa_vt77013



VT19809

Section depth mm	Section width mm	Module width mm	Connection area width mm	Fitting kit for outgoers with circuit breaker in Form 4 Article No. per unit
800	425	425	0	**XSMFDB0406-2** 125991 125992*
	600	425	200	**XSMFDB0408** 284247 122290*
		600	0	**XSMFDB0606-2** 110252 122594*
	800	425	400	**XSMFDB0408** 284247 122290*
		600	200	**XSMFDB0608-350** 168937 186679*
	1000	600	400	**XSMFDB0608-350** 168937 186679*
	1200	600	600	**XSMFDB0608-350** 168937 186679*

Note * Finish in special RAL colour



wa_vt57913 wa_vt54913 wa_vt67913 VT25109 wa_vt71913 wa_vt58013 wa_vt58813 wa_vt59013 wa_vt69913 wa_vt70013

Closing strips Article No. per unit	Mounting plates Article No. per unit	Front panels Article No. per unit	Separation p. partition connection/ dropper bar Article No. per unit	Partition [1] connection area/ main bus-bar Article No. per unit	Partition switchgear area/switch-gear area Article No. per unit	Support for dropper busbar Article No. per unit	Extension bracket Article No. per unit	Angle bracket for PE or PEN in connection area Article No. per unit	Angle bracket for N+PEN in connection area Article No. per unit
XPFMC 284146	see page xx	see page xx	-	-	**XPFMM04** 284147	see page xx	**XDB06** 283885	-	-
XPFMC 284146	see page xx	see page xx	**XPFCD2008** 284133	**XPFCB02** 284745	**XPFMM04** 284147	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	-	-	**XPFMM06** 284148	see page xx	**XDB06** 283885	-	-
XPFMC 284146	see page xx	see page xx	**XPFCD2008** 284133	**XPFCB04** 284119	**XPFMM04** 284147	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB02** 284745	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB04** 284119	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894
XPFMC 284146	see page xx	see page xx	**XPFCD2006** 284132	**XPFCB06** 284746	**XPFMM06** 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894

Note

[1] Width = depending on module width and width of section
* Finish in special RAL colour

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Components Outgoing Section in Form 4



Accessories

Fitting kits for outgoing sections Form 4



VT19809



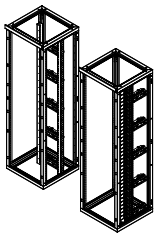
VT19509

Section depth mm	Fitting kits for LS outgoing sections module width 400 mm Form 4 Article No. per unit	Fitting kits for LS outgoing sections module width 600 mm depth = 275 mm Form 4 Article No. per unit	Fitting kits for LS outgoing sections module width 600 mm depth = 475 mm Form 4 Article No. per unit	Fitting kits for LS outgoing sections module width 400 mm Form 4 without cable conn. Article No. per unit	Fitting kits for LS outgoing sections module width 600 mm Form 4 without cable conn. Article No. per unit	Fitting kits for LS outgoing sections Form 4 special-fitting kit Dubai Article No. per unit	
600	**XSMFDB0406** 284246 122289*	**XSMFDB0606** 284248 122291*	**-**	**XSMFDB0406-2** 125991 125992*	**XSMFDB0606-2** 110252 122594*	**XSMFIB06-1** 109255 122586*	
800	**XSMFDB0408** 284247 122290*	**XSMFDB0608** 284249 122292*	**XSMFDB0608-350** 168937 186679*	**XSMFDB0406-2** 125991 125992*	**XSMFDB0606-2** 110252 122594*	**XSMFIB06-1** 109255 122586*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Dropper Bars up to 1600 A for Outgoing Sections, Fitting Kits



00123137_0

Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT, TT
- I_{cw} (1 s) up to 50 kA[1)]



wa_vt58813



wa_vt58913

Angle bracket for N and PEN in the cable connection area



wa_vt69913



wa_vt70013

I_e	Busbar cross-sections		Type of busbar support		Type of support for conductor in connection area[1)]	
			3 poles L1, L2, L3, or 4 poles L1, L2, L3, N	End support at the bottom	PE or PEN	N+PEN
A	L1, L2, L3, full N mm²	PE, PEN mm²	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit
Dropper bars on the side, center-to-center phase distance 60 mm						
800	2 x 20 x 10	1 x 20 x 10	**XDSF08** 283888	**XDSF08E** 283889	**XDSFP** 283895	**XDSFN** 283894
1250	2 x 40 x 10	1 x 40 x 10	**XDSF12** 283890	**XDSF12E** 283891	**XDSFP** 283895	**XDSFN** 283894
1600	2 x 60 x 10	1 x 60 x 10	**XDSF16** 283892	**XDSF16E** 283893	**XDSFP** 283895	**XDSFN** 283894



wa_vt59013



VT00412

Module width	Type Extension bracket for busbar support XDSF... for rear-mounted dropper bars	Type Extension bracket for busbar support (strong design for lowest position)
mm	Article No. per unit	
425	**not required**	-
600	**XDB06** 283885	**XADB06E** 166745

Note [1)] Also suitable for mounting cable ducts, auxiliary busbars etc.

Powering Business Worldwide

Accessories for Outgoing Sections: Partitions for Internal Separation



VT25109



wa_vt58013



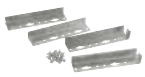
wa_vt71913



wa_vt57913

Section depth mm	Form 2/4 Partition connection area/ dropper bar area Article No. per unit unit = 1 set	Module width mm	Form 4 Partition switchgear area/ switchgear area Article No. per unit unit = 1 set	Section width mm	Form 2/4 Connection area/ dropper bar area in the widths of 200/400/600 Article No. per unit unit = 1 set		Form 4 Closing strip switchgear a./ connection area L = 650 mm Article No. per unit unit = 1 set
600	**XPFCD2006** 284132	425	**XPFMM04** 284147	800	**XPFCB02** 284745		**XPFMC** 284146
800	**XPFCD2008** 284133	600	**XPFMM06** 284148	1000	**XPFCB04** 284119		**-**
	-		**-**	1200	**XPFCB06** 284746		**-**

Accessories for Outgoing Sections: Mounting Brackets for Underground Mounting Plates



VT18409

Underground bracket Article No. per unit unit = 2 pcs. left bracket, 2 pcs. right bracket	
XMBD 283921	

Powering Business Worldwide

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for FAZ

wa_vt67713


wa_vt54813


wa_vt70813

Width mm	UK H = 50 mm for PLH switch Article No. per unit	H = 150 mm Article No. per unit	H = 200 mm Article No. per unit	H = 300 mm Article No. per unit	H = 400 mm Article No. per unit	
425	-	**XMMC0604C** 283979 122152*	**XMMC0804C** 283983 122154*	**XMMC1204C** 283987 122156*	**XMMC1604C** 283991 122158*	
600	**XMPL10606C-UK** 110258 122595*	**XMMC0606C** 283981 122153*	**XMMC0806C** 283985 122155*	**XMMC1206C** 283989 122157*	**XMMC1606C** 283993 122159*	
800	-	**XMMC0608C** 106718 122507*	**XMMC0808C** 106730 122509*	-	-	
1000	-	**XMMC0610C** 106719 122508*	**XMMC0810C** 106731 122510*	-	-	

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels - Empty


wa_vt67613


wa_vt33613


wa_vt67313

Width mm	H = 25mm Article No. per unit	H = 50mm Article No. per unit	H = 100mm Article No. per unit	H = 150mm Article No. per unit	H = 200mm Article No. per unit	H = 250mm Article No. per unit	H = 300mm Article No. per unit	H = 400mm Article No. per unit	H = 600mm Article No. per unit	H = 800mm Article No. per unit	ventilated H = 100mm Article No. per unit
425	-	**XME0204C** 283922 122121*	**XME0404C** 283926 122123*	**XME0604C** 283934 122129*	**XME0804C** 283939 122134*	**XME1004C** 144587 144589*	**XME1204C** 283946 122139*	**XME1604C** 283948 122141*	**XME2404C** 294923 122412*	-	**XME0404CV** 283928 122125*
600	**XME0106C** 158619 158620*	**XME0206C** 283924 122122*	**XME0406C** 283930 122126*	**XME0606C** 283936 122131*	**XME0806C** 283942 122136*	**XME1006C** 144588 144590*	**XME1206C** 283947 122140*	**XME1606C** 283950 122142*	**XME2406C** 294924 122413*	**XME3206C** 294926 122415*	**XME0406CV** 283932 122128*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for PKZ 0/4/2

wa_vt67813


wa_vt67913

Width mm	Horizontal 3 poles H = 50 mm PKZ0 Article No. per unit	Horizontal 3 poles H = 100 mm PKZ4 Article No. per unit
425	**XMP030204C** 284087 122212*	**XMP430404C** 284095 122214*
600	**XMP030206C** 284089 122213*	**XMP430406C** 284097 122215*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM1


wa_vt66913


wa_vt67413


wa_vt67513


wa_vt67413


wa_vt68913

Width mm	UK 1xNZM1 horiz. 4 poles H = 150 mm fixed with cut-out for measuring device 90/90 Article No. per unit	UK 1xNZM1 horiz. 4 pole H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 100 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm plug-in module t. Article No. per unit	2xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	2xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit
425	-	-	**XMN130404C** 283995 122160*	**XMN140604C** 284003 122164*	**XMN130604C** 121799 122637*	**XMN131204CV** 283999 122162*	-	**XMN141204CV** 284007 122166*	-
600	**XMN140606C-1-UK** 110262 122599*	**XMN140606C-UK** 110259 122596*	**XMN130406C** 283997 122161*	**XMN140606C** 284005 122165*	**XMN130606C** 121797 122636*	-	**XMN131206CV** 284001 122163*	-	**XMN141206CV** 284009 122167*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM2



wa_vt54613

Width mm	UK 1xNZM2 horizontal 4 poles H = 200 mm with cut-out for measuring dev.t fixed Article No. per unit	UK 1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm plug-in mod. technology Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm with motor lift (placed 15mm above front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm with motor lift (placed 15mm above front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm plug-in mod. technology Article No. per unit
425	-	-	**XMN230604C** 284011 122168*	-	-	**XMMC0804C** 283983 122154*	-	-
600	**XMN240606C-1-UK** 110263 122600*	**XMN240606C-UK** 110260 122597*	**XMN230606C** 284013 122169*	**XMN230606C** 284013 122169*	**XMN230606CR** 292907 122406*	**XMN240806C** 284026 122176*	**XMN240806CR** 125993 125994*	**XMN240806C** 284026 122176*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM2 (cont.)



wa_vt70713

Width mm	1xNZM2 horizontal 4 poles H = 200 mm cover for RCD module fixed Article No. per unit	2xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	3xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 3 poles H = 600 mm plug-in mod. technology Article No. per unit	3xNZM2 vertical 3 poles H = 600 mm plug-in mod. technology Article No. per unit	2xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 4 poles H = 600 mm plug-in module technology Article No. per unit
425	-	**XMN231604CV** 284015 122170*	-	**XMN232404CV** 284019 122172*	-	**XMN241604CV** 284028 122177*	**XMN242404CV** 284032 122179*
600	**XMN240806CF** 284659 122356*	-	**XMN231606CV** 284017 122171*	-	**XMN232406CV** 284021 122173*	**XMN241606CV** 284030 122178*	**XMN242406CV** 284034 122180*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM3



wa_vt67113

Width mm	UK 1xNZM3 horizontal 4 poles H = 250 mm with cut-out for measuring dev. fixed Article No. per unit	UK 1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 600 mm fixed Article No. per unit	2xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit
425	-	-	-	-	-	-	**XMN332404CV2** 284044 122186*	-
600	**XMN340606C-1-UK** 110264 122601*	**XMN340606C-UK** 110261 122598*	**XMN330806C** 284036 122181*	**XMN331006C** 284039 122183*	**XMN341006C** 284052 122191*	**XMN341206C** 284055 122193*	-	**XMN332406CV2** 284049 122189*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM3 (cont.)



wa_vt73013

Width mm	1xNZM3 vertical 3 poles H = 600 mm withdrawable, suitable only for sections of 800 mm depth Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm withdrawable, suitable only for sections of 800 mm depth Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm with motor lift, lift sticks 55 mm out of front panel, no turning of the front panel possible, fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm with motor lift, lift sticks 55 mm out of front panel, no turning of the front panel possible, fixed Article No. per unit
425	**XMN332404CV1** 284042 122184*	**XMN342404CV2** 284060 122196*	**XMN342404CV1** 284058 122194*	-	-
600	**XMN332406CV1** 284047 122187*	**XMN342406CV2** 284065 122200*	**XMN342406CV1** 284063 122198*	**XMN330806CR** 284037 122182*	**XMN341006CR** 284053 122192*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: EBS Front Panels with Punch Holes, EBS Front Panels with Cut-out for Measuring Devices



wa_vt67213 wa_vt71713 wa_vt71613 wa_vt67013 wa_vt67013 wa_vt71513

Width mm	9xRMQ D = 22.5 mm H = 100 mm Article No. per unit	12xRMQ D = 22.5 mm H = 100 mm Article No. per unit	2xMeasuring dev. 72/72 2xchange-over switch H = 150 mm Article No. per unit	4xMeasuring dev. 72/72 1xchange-over switch H = 200 mm Article No. per unit	2xMeasuring dev. 72/72 2xchange-over switch H = 150 mm Article No. per unit	4xMeasuring dev. 96/96 2xchange-over switch H = 150 mm Article No. per unit	2xMeasuring dev. 96/96 2xchange-over switch H = 200 mm Article No. per unit	4xMeasuring dev. 96/96 1xchange-over switch H = 200 mm Article No. per unit
425	**XME0404CI** 283927 122124*	-	**XME0604CM** 283935 122130*	**XME0804CM** 283940 122135*	-	-	-	-
600	-	**XME0406CI** 283931 122127*	-	-	**XME0606CM2** 283937 122132*	**XME0606CM4** 283938 122133*	**XME0806CM2** 283943 122137*	**XME0806CM4** 283944 122138*

Accessories for Outgoing Sections: Covers for circuit breaker cut-out



wa_vt69813

	NZM1- Closing plate for closing the front cover (spare space) Article No. per unit	NZM2- Closing plate for closing the front cover (spare space) Article No. per unit	NZM3- Closing plate for closing the front cover (spare space) Article No. per unit
	NBP-1000 275413	**XAS2-3** 284741 122364*	**XAS3-3** 284743 122366*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for FAZ



wa_vt68413



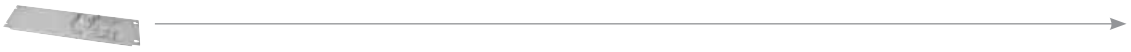
wa_vt55013



wa_vt71413

Width mm	UK Article No. per unit	min. H = 150 mm 1 row Article No. per unit	min. H = 200 mm 1 row Article No. per unit	min. H = 300 mm 2 rows Article No. per unit	min. H = 400 mm 2 rows Article No. per unit	
425	-	**XMMC0604M** 283980	**XMMC0804M** 283984	**XMMC1204M** 283988	**XMMC1604M** 283992	
600	**XMPL10606M-UK** 110254	**XMMC0606M** 283982	**XMMC0806M** 283986	**XMMC1206M** 283990	**XMMC1606M** 283994	
800	-	**XMMC0608M** 106736	**XMMC0808M** 106737	-	-	
1000	-	**XMMC0610M** 106738	**XMMC0810M** 106739	-	-	

Accessories for Outgoing Sections: Mounting Plates - Empty



wa_vt33513

Width mm	H = 50 mm Article No. per unit	H = 100 mm Article No. per unit	H = 150 mm Article No. per unit	H = 200 mm Article No. per unit	H = 250 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit
425	**XME0204M** 283923	**XME0404M** 283929	**XME0604M** 284727	**XME0804M** 283941	**XME1004M** 144585	**XME1204M** 285684	**XME1404M-1** 110333	**XME1604M** 283949
600	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M-1** 110339	**XME1606M** 283951

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for PKZ



wa_vt68313



wa_vt68113

Width mm	horizontal 3 poles H = 50 mm Article No. per unit	horizontal 3 poles H = 100 mm Article No. per unit	
425	**XMP030204M** 284088	**XMP430404M** 284096	
600	**XMP030206M** 284090	**XMP430406M** 284098	

Accessories for Outgoing Sections: Mounting Plates for NZM1



wa_vt68013



wa_vt68113

Width mm	UK 1xNZM1 horiz. 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 100 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 150 mm plug-in module technology Article No. per unit	2xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	2xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	
425	-	**XMN130404M** 283996	**XMN140604M** 284004	**XMN130604MP** 121798	**XMN131204MV** 284000	-	**XMN141204MV** 284008	-	
600	**XMN140606M-UK** 110255	**XMN130406M** 283998	**XMN140606M** 284006	**XMN130606MP** 121796	-	**XMN131206MV** 284002	-	**XMN141206MV** 284010	

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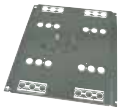
Accessories for Outgoing Sections: Mounting Plates for NZM2



wa_vt54913

Width mm	UK 1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm plug-in module technology Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm with motor lift (sticking 15mm out of front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm plug-in module technology Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm cover for RCD module fixed Article No. per unit	2xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit
425	-	**XMN230604M** 284012	-	-	**XMN240804M** 284025	-	-	**XMN231604MV** 284016
600	**XMN240606M-UK** 110256	**XMN230606M** 284014	**XMN230606MP** 284724	**XMN230606M** 284014	**XMN240806M** 284027	**XMN240806MP** 284726	**XMN240806MF** 134485	-

Accessories for Outgoing Sections: Mounting Plates for NZM2 (several devices on one plate)



wa_vt73113

Width mm	3xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 3 poles H = 600 mm plug-in module technology Article No. per unit	3xNZM2 vertical 3 poles H = 600 mm plug-in module technology Article No. per unit	2xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 4 poles H = 600 mm plug-in module technology Article No. per unit	
425	-	**XMN232404MV** 284020	-	**XMN241604MV** 284029	**XMN242404MV** 284033	
600	**XMN231606MV** 284018	-	**XMN232406MV** 284022	**XMN241606MV** 284031	**XMN242406MV** 284035	

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for NZM3



wa_vt72913

Width mm	UK 1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	2xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm withdrawable Article No. per unit
425	-	-	-	-	-	**XMN332404MV** 284046	-	**XMN332404MV** 284046
600	**XMN340606M-UK** 110257	**XMN330806M** 284038	**XMN331006M** 284041	**XMN341006M** 284054	**XMN341206M** 284057	-	**XMN332406MV** 284051	**XMN332406MV** 284051

Accessories for Outgoing Sections: Mounting Plates for NZM3 (cont.)



wa_vt72913

Width mm	1xNZM3 vertical 4 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm withdrawable Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit
425	**XMN342404MV** 284062	**XMN342404MV** 284062	-	-
600	**XMN342406MV** 284067	**XMN342406MV** 284067	**XMN330806M** 284038	**XMN341006M** 284054

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Accessories for 5000A application with a section depth of 1000mm

Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

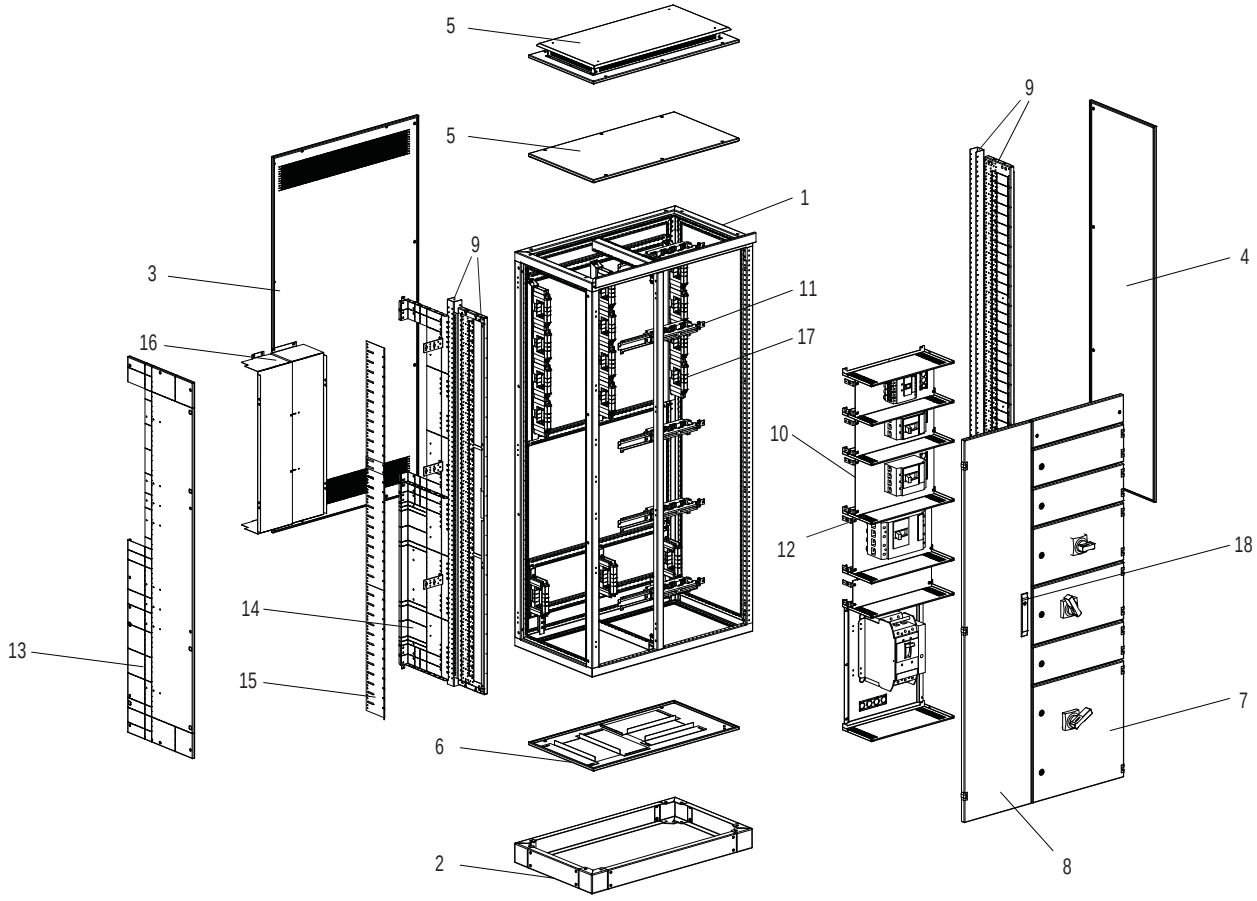
Section width mm	Switchgear area width mm	Cable connect. area width mm	NZM outgoing sections Form 2/4 Article No. per unit unit = 1 set
600	425	172	**XPFBCB172** 158606
800	425	372	**XPFBCB372** 158607
	600	197	**XPFBCB197** 158608
1000	600	397	**XPFBCB397** 158609
1200	600	597	**XPFBCB597** 158610

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

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Notes

Box Solution
Motor Control Center - Fixed Installation Type



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door to switchgear area
8 Door to connection area
9 Fitting kit for box solution
10 Mounting plate
11 Support for dropper bar
12 Partition switchgear area/switchgear area
13 Separation panel section/section
14 Partition dropper bar area/connection area
15 Closing strip
16 Partition main busbar/connection area
17 Support for main busbar
18 Lock mechanism

Features
- Widths of 800/1000/1200 mm
- Module widths of 425 and 600 mm
- Each module comes with its own door to the switchgear area
- 3 or 4 poles
- Fixed or withdrawable
- Suitable for switchgear with remote operation
- To be operated behind the door or with rotary door coupling handle
- Dropper bar from 800 to 1600 A
- Empty plates and module plates for the setup of outgoers (RCD, FAZ, ...)
- IP31/55
- Form 4

Notes
Frame comes with a blue design strip.
Doors include locking system for 3mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
For flanges, clip-down handle, lifting eyebolts, 180° hinges, fixing brackets, Durostone posts, connection kits, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories”.

Box Solution, Motor Control Center - Fixed Installation Type, with Cable Area



wa_vt77413



VT00509



VT25109



wa_vt71913

Section depth mm	Section width mm	Module width mm	Fitting kit for box solution incl. 4th post for frame Article No. per unit	Separation p. partition connection/ dropper bar Article No. per unit	Partition connection area/ main bus-bar Article No. per unit
600	800	425	**XSMFDB0606-BS** 125829 125971*	**XPFCD2006** 284132	**XPFCB04** 284119
	800	600	**XSMFDB0606-BS** 125829 125971*	**XPFCD2006** 284132	**XPFCB02** 284745
	1000	600	**XSMFDB0606-BS** 125829 125971*	**XPFCD2006** 284132	**XPFCB04** 284119
	1200	600	**XSMFDB0606-BS** 125829 125971*	**XPFCD2006** 284132	**XPFCB06** 284746
800	800	425	**XSMFDB0608-BS** 125970 125972*	**XPFCD2008** 284133	**XPFCB04** 284119
	800	600	**XSMFDB0608-BS-350** 168936 186678*	**XPFCD2006** 284132	**XPFCB02** 284745
	1000	600	**XSMFDB0608-BS-350** 168936 186678*	**XPFCD2006** 284132	**XPFCB04** 284119
	1200	600	**XSMFDB0608-BS-350** 168936 186678*	**XPFCD2006** 284132	**XPFCB06** 284746

Note * Finish in special RAL colour

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wa_vt69913


wa_vt70013


wa_vt72913


wa_vt70213


wa_vt34513

Partition switchgear area/switch gear area Article No. per unit	Support for dropper busbar Article No. per unit	Extension bracket Article No. per unit	Angle bracket for PE or PEN in connection area Article No. per unit	Angle bracekt for N+PEN in connection area Article No. per unit	Mounting plates Article No. per unit	Door box solution - doors to switchgear area Article No. per unit	Door to connection area up to IP 55 closed Article No. per unit	
XPFMM04 284147	see page xx	**-**	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFMC2004** 284184 122232*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2002-1** 284700 122357*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2004** 284183 122231*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2006** 102052 122416*	
XPFMM04 284147	see page xx	**-**	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFMC2004** 284184 122232*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2002-1** 284700 122357*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2004** 284183 122231*	
XPFMM06 284148	see page xx	**XDB06** 283885	**XDSFP** 283895	**XDSFN** 283894	see page xx	see page xx	**XSDFCC2006** 102052 122416*	

Note * Finish in special RAL colour

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Box Solution, Motor Control Center - Fixed Installation Type, without Cable Area



wa_vt77413



VT00509



VT25109

Section depth mm	Section width mm	Module width (= Section width) mm	Fitting kit for box solution incl. 4th post for frame Article No. per unit	Partition switchgear area/switch gear area Article No. per unit
600	600	600	**XSMFDB0606-BS-2** 168934 186676*	**XPFMM04** 284147
	800	800	**XSMFDB0606-BS-2** 168934 186676*	**XPFMM06** 284148
800	600	600	**XSMFDB0608-BS-2-350** 168935 186677*	**XPFMM04** 284147
	800	800	**XSMFDB0608-BS-350** 168935 186677*	**XPFMM06** 284148

Note * Finish in special RAL colour



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wa_vt59013



wa_vt72913



wa_vt70213

Support for dropper busbar Article No. per unit	Extension bracket Article No. per unit	Mounting plates Article No. per unit	Door box solution - doors to switchgear area Article No. per unit	
see page xx	-	see page xx	see page xx	
see page xx	**XDB06** 283885	see page xx	see page xx	
see page xx	-	see page xx	see page xx	
see page xx	**XDB06** 283885	see page xx	see page xx	

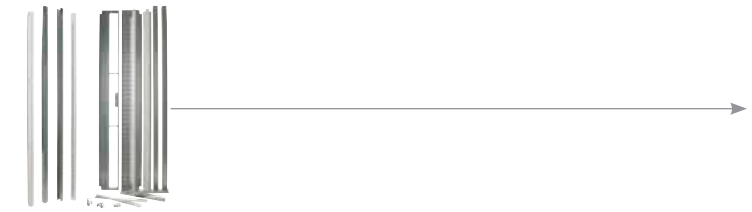
Note * Finish in special RAL colour

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Components Box-Solution

Accessories

Fitting kits, Vertical profiles



VT00509, VT19809



VT10109

Section depth mm	Fitting kits box solution suitable for 400/600mm module width depth = 275 mm Form 4 Article No. per unit unit = 1 set	Fitting kits box solution suitable for 400/600mm module width depth = 475 mm Form 4 Article No. per unit unit = 1 set	Fitting kits box solution suitable for 400/600mm module width depth = 275 mm without cable area Form 4 Article No. per unit unit = 1 set	Fitting kits box solution suitable for 400/600mm module width depth = 475 mm without cable area Form 4 Article No. per unit unit = 1 set	Vertical profiles for box solution, only 1 post Article No. per unit unit = 1 pc.	
600	**XSMFDB0606-BS** 125829 125971*	-	**XSMFDB0606-BS-2** 168934 186676*	-	**XSFH20-1** 109254 122585*	
800	**XSMFDB0608-BS** 125970 125972*	**XSMFDB0608-BS-350** 168936 186678*	-	**XSMFDB0608-2-350** 168935 186677*		

Accessories for Outgoing Sections: Partitions for Internal Separation



VT25109



wa_vt58013



wa_vt71913



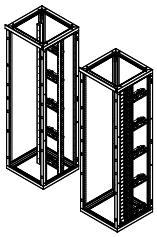
wa_vt57913

Section depth mm	Form 2/4 Partition connection area/ dropper bar area Article No. per unit unit = 1 set	Module width mm	Form 4 Partition switchgear area/ switchgear area Article No. per unit unit = 1 set	Section width mm	Form 2/4 Connection area/ dropper bar area in the widths of 200/400/600 Article No. per unit unit = 1 set		Form 4 Closing strip switchgear a./ connection area L = 650 mm Article No. per unit unit = 1 set
600	**XPFCD2006** 284132	425	**XPFMM04** 284147	800	**XPFCB02** 284745		**XPFMC** 284146
800	**XPFCD2008** 284133	600	**XPFMM06** 284148	1000	**XPFCB04** 284119		-
	-		-	1200	**XPFCB06** 284746		-

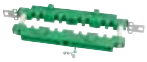
Note * Finish in special RAL colour

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Dropper Bars up to 1600 A for Outgoing Sections, Fitting Kits



00123137_0



wa_vt58813



wa_vt58913

Angle bracket for N and PEN in the cable connection area



wa_vt69913



wa_vt70013

I_e	Busbar cross-sections			Type of busbar support		Type of support for conductor in connection area[1]	
				3 poles L1, L2, L3, or 4 poles L1, L2, L3, N	End support at the bottom	PE or PEN	N+PEN
A	L1, L2, L3, full N mm²	PE, PEN mm²		Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit
Dropper bars on the side, center-to-center phase distance 60 mm							
800	2 x 20 x 10	1 x 20 x 10		**XDSF08** 283888	**XDSF08E** 283889	**XDSFP** 283895	**XDSFN** 283894
1250	2 x 40 x 10	1 x 40 x 10		**XDSF12** 283890	**XDSF12E** 283891	**XDSFP** 283895	**XDSFN** 283894
1600	2 x 60 x 10	1 x 60 x 10		**XDSF16** 283892	**XDSF16E** 283893	**XDSFP** 283895	**XDSFN** 283894



wa_vt59013



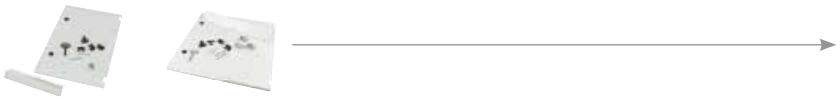
VT00412

Module width	Type Extension bracket for busbar support XDSF... for rear-mounted dropper bars	Type Extension bracket for busbar support (strong design for lowest position)
mm	Article No. per unit	
425	**not required**	-
600	**XDB06** 283885	**XADB06E** 166745

Note [1] Also suitable for mounting cable ducts, auxiliary busbars etc.

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Accessories for Outgoing Sections: Doors for Box Solution (Doors to Switchgear Area, Section with Cable Area)



wa_vt70213 wa_vt63113

Width mm	H = 200 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit	H = 500 mm Article No. per unit	H = 600 mm Article No. per unit	
425	**XSDFMC0204** 109240 122573*	**XSDFMC0304** 109241 122574*	**XSDFMC0304-1** 109242 122575*	**XSDFMC0404** 109243 122576*	**XSDFMC0504** 109244 122577*	**XSDFMC0604** 109245 122578*	
600	**XSDFMC0206** 109246 122579*	**XSDFMC0306** 109247 122580*	**XSDFMC0306-1** 109248 122581*	**XSDFMC0406** 109249 122582*	**XSDFMC0506** 109250 122583*	**XSDFMC0606** 109251 122584*	

Accessories for Outgoing Sections: Doors for Box Solution (Section with Cable Area)



VT63113 VT04414 VT63113 VT04414 VT04814 VT04914 VT05614

Width mm	H = 200 mm Article No. per unit	H = 250 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit	H = 500 mm Article No. per unit	H = 600 mm Article No. per unit	H = 800 mm Article No. per unit	H = 975 mm Article No. per unit	H = 1000 mm Article No. per unit	H = 1200 mm Article No. per unit
600	**XSDBSC0206** 167537 167543*	**XSDBSC02506** 171680 171707*	**XSDBSC0306** 167538 167544*	**XSDBSC03506** 167539 167545*	**XSDBSC0406** 1677540 167546*	**XSDBSC0506** 167541 167547*	**XSDBSC0606** 167542 167548*	**XSDBSC0806** 171681 171708*	**XSDBSC097506** 171682 171709*	**XSDBSC1006** 171683 171710*	**XSDBSC1206** 171684 171711*
800	**XSDBSC0208** 171686 171713*	**XSDBSC02508** 171687 171714*	**XSDBSC0308** 171688 171715*	**XSDBSC03508** 171689 171716*	**XSDBSC0408** 171690 171717*	**XSDBSC0508** 171691 171718*	**XSDBSC0608** 171692 171719*	**XSDBSC0808** 171693 171720*	**XSDBSC097508** 171694 171721*	**XSDBSC1008** 171695 171722*	**XSDBSC1208** 171696 171723*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: Snap-on Cover without Cut-out for Box Solution, Section with Cable Area



VT00709

Width mm	H = 150 mm Article No. per unit	H = 250 mm Article No. per unit
425	**XMC0604-BS** 125983 125987*	**XMC1004-BS** 125984 125988*
600	**XMC0606-BS** 125985 125989*	**XMC1006-BS** 125986 125990*

Accessories for Outgoing Sections: Snap-on Cover without Cut-out for Box Solution, Section without Cable Area



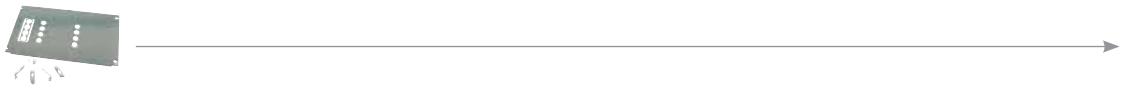
VT00709

Width mm	H = 150 mm Article No. per unit
600	**XSDC01506** 171679 171706*
800	**XSDC01508** 171685 171712*

Note * Finish in special RAL colour

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Accessories for Outgoing Sections: Mounting Plates for Box Solution



VT00909

Width mm	NZM1 3+4 poles H = 200 mm horizontal Article No. per unit	NZM2 3 poles H = 200 mm horizontal Article No. per unit	NZM2 4 poles H = 300 mm fixed/withdraw. horizontal Article No. per unit	NZM3 H = 600 mm 3+4 poles, vertical fixed 3 poles, vertical fixed, plug-in and withdrawable Article No. per unit	NZM3 3+4 poles H = 600 mm fixed, withdrawable and plug-in horizontal Article No. per unit	NZM3 3+4 poles H = 300 mm fixed and plug-in horizontal Article No. per unit	NZM3 3+4 poles H = 500 mm withdrawable horizontal Article No. per unit
425	**XMN130804M-BS** 125973	**XMN230804M-BS** 125974	**XMN241204M-BS** 125975	**XMN342404M-BS** 125976	-	-	-
600	**XMN130806M-BS** 125977	**XMN230806M-BS** 125978	**XMN241206M-BS** 125979	-	**XMN342406M-BS** 125982	**XMN341206M-F-BS** 125980	**XMN342006M-W-BS** 125981

Accessories for Outgoing Sections: Mounting Plates - without Drill-holes for Box-Solution

Incl. fastening material.



wa_vt33513

Width mm	H = 200 mm Article No. per unit unit = 1 set	H = 300 mm Article No. per unit unit = 1 set	H = 350 mm Article No. per unit unit = 1 set	H = 400 mm Article No. per unit unit = 1 set	H = 600 mm Article No. per unit unit = 1 set
600	**XME0806M** 283945	**XME1206M** 285686	**XME1406M-1** 110339	**XME1606M** 283951	**XME2406M** 285687

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Accessories for 5000A application with a section depth of 1000mm

Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

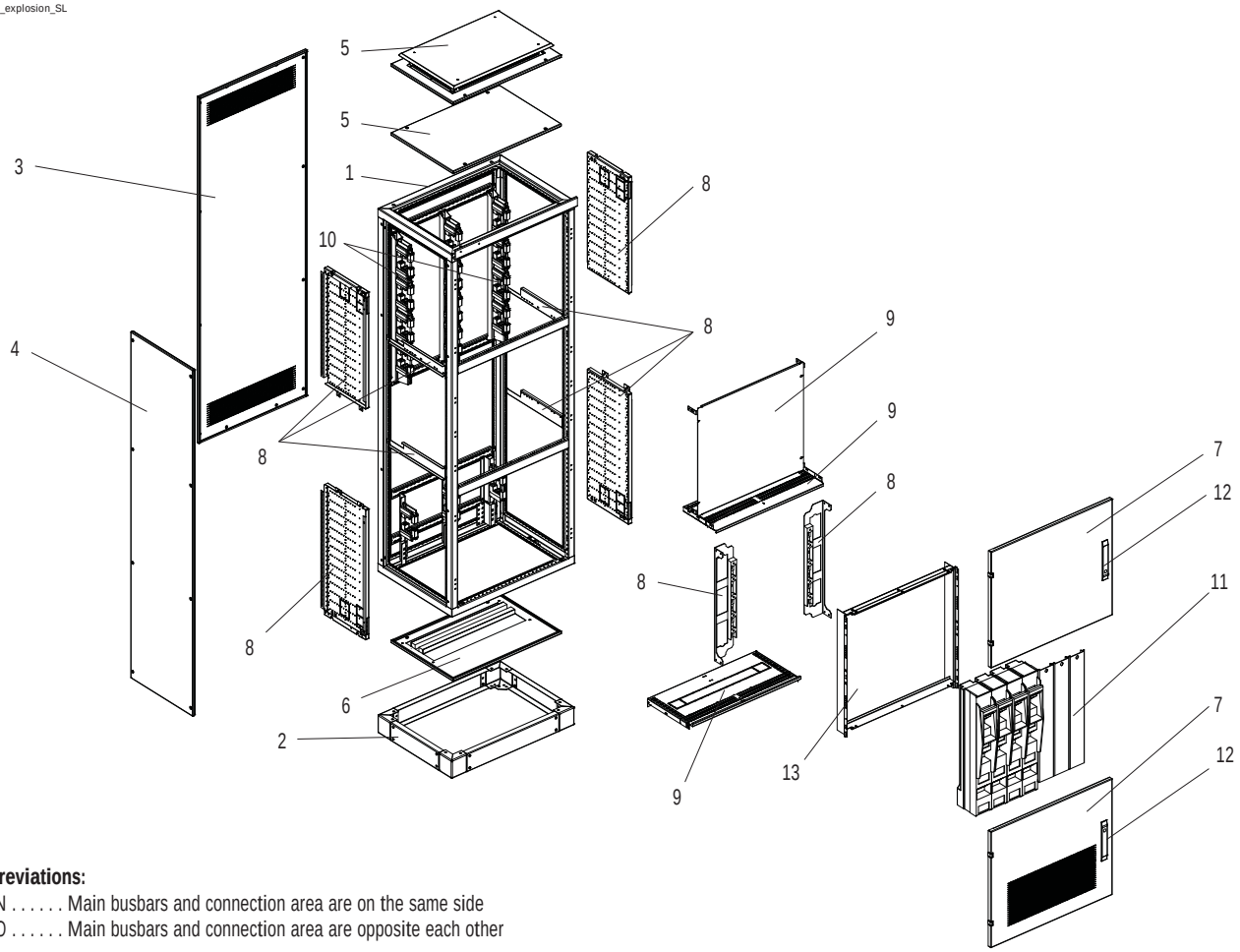
Section width mm	Switchgear area width mm	Cable connect. area width mm	Box-Solution Article No. per unit unit = 1 set
800	425	372	**XPFBCB372** 158607
	600	197	**XPFBCB197** 158608
1000	600	397	**XPFBCB397** 158609
1200	600	597	**XPFBCB597** 158610

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

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Outgoing Section for Fuse Switch Disconnectors

katalog_explosion_SL



Abbreviations:
EVEN . . . . . Main busbars and connection area are on the same side
OPPO . . . . . Main busbars and connection area are opposite each other

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Fitting kit for SL fuse strips
9 Separation/Separation panels
10 Main busbar support
11 Empty space cover
12 Lock mechanism
13 Cover frame

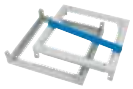
Features
- Widths of 600/800/1000 mm
- Dropper bars stackable
- Dropper bars from 800 to 3200A
- Vertical position of fuse strips
- Form 3
- IP31/IP42/IP55
- Operation from outside or behind the door
- Outgoers are possible up and downwards

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
You can use fuse strips from: EATON-Serie NHW-SLS und Serie FCF.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

Outgoing sections for fuse strips, Main Busbars rear-mounted (HSS)



VT56213



wa_vt28313



VT10109



wa_vt68713

Section depth mm	Section width mm	Switchgear area width suitable for carrying equipment mm	Frame Article No. per unit	Vertical profile Article No. per unit	Cross-support f. bar holder Article No. per unit
600	600	500	**XSFB0606** 284235 122278*	**XSFH20** 284245 122288*	**XBBB06** 283860
	800	700	**XSFB0806** 284238 122281*	**XSFH20** 284245 122288*	**XBBB08** 283861
	1000	900	**XSFB1006** 284241 122284*	**XSFH20** 284245 122288*	**XBBB10** 283862
800	600	500	**XSFB0608** 284236 122279*	**XSFH20** 284245 122288*	**XBBB06** 283860
	800	700	**XSFB0808** 284239 122282*	**XSFH20** 284245 122288*	**XBBB08** 283861
	1000	900	**XSFB1008** 284242 122285*	**XSFH20** 284245 122288*	**XBBB10** 283862

Note * Finish in special RAL colour



vt80215



wa_vt74413



vt81315



vt80815



vt81215



VT21209



wa_vt63313

Fitting kit for SL fuse strips Article No. per pack	Set of cover frames Article No. per pack	Busbar holder 3-pole Single copper 800-1600A Article No. per pack	Busbar holder 3-pole Double copper 1600-3200A Article No. per pack	Offset mounting bracket 2 pcs. mounting bracket incl. screw material Article No. per pack	Partitions separation panels Article No. per pack	Partitions separation panels with EVEN connection type Article No. per pack
XSMLV-I-D600 180574	**XSMLV-I-CH06** 143419 143555*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL06** 284161	**XPLB0606** 116456
XSMLV-I-D600 180574	**XSMLV-I-CH08** 143420 143556*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL08** 284162	**XPLB0806** 116457
XSMLV-I-D600 180574	**XSMLV-I-CH10** 143421 143557*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL10** 285500	**XPLB1006** 116458
XSMLV-I-D800 180575	**XSMLV-I-CH06** 143419 143555*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL0608** 126006	**XPLB0608** 124415
XSMLV-I-D800 180575	**XSMLV-I-CH08** 143420 143556*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL0808** 126007	**XPLB0808** 124416
XSMLV-I-D800 180575	**XSMLV-I-CH10** 143421 143557*	please refer to to table below	please refer to to table below	**XSMLV-I-CONNECT** 180576	**XPL1008** 126008	**XPLB1008** 124417

Note * Finish in special RAL colour

EATON
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Dropper Bar Sets up to 3200A, Double Bar



vt80815

One set includes material for a support with double busbar system:
6x mounting brackets for rail support (for left and right mounting),
1 pc. busbar support, including screw material

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
A	mm^2	mm^2	Article No. 1 set
1600	2 x 40 x 10	1 x 40 x 10	**KDSF-16-SL-D** 180578
2000	2 x 60 x 10	1 x 60 x 10	**KDSF-20-SL-D** 180579
2500	2 x 80 x 10	1 x 80 x 10	**KDSF-25-SL-D** 180580
3200	2 x 100 x 10	1 x 100 x 10	**KDSF32-SL-D** 180581

Dropper Bar Sets up to 1600A, Single Bar



vt81315

One set includes material for a support with single rail system:
1 pc. mounting bracket for rail support, 1 pc. busbar support for single busbar up to 1600 A, including screw material

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - set	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max. 1 x 100 x 10	**KDSF16-SL-S** 180577

Busbar support for simple busbars up to 1600 A



vt81415

Incl.: 1 pc. Rail support and screw material

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - single	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max.	**KDSLH** 182913

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Components
Fuse Switch Disconnectors - SL

Accessories

Fitting kits, Blind frame kits, Offset mounting bracket






	wa_vt74413	vt80115	vt80215	vt81215	
Section width mm	Blind frame kits for SL-sections suitable for fitting kits XSMLV Article No. per unit	Fitting kit for fuse strips, for a section depth of 600mm Article No. per unit	Fitting kit for fuse strips for a section depth of 800mm Article No. per unit	Offset mounting bracket 2 pcs. mounting bracket incl. screw material Article No. per unit	
600	**XSMLV-I-CH06** 143419 143555*	**XSMLV-I-D600** 180574	**XSMLV-I-D800** 180575	**XSMLV-I-CONNECT** 180576	
800	**XSMLV-I-CH08** 143420 143556*	**XSMLV-I-D600** 180574	**XSMLV-I-D800** 180575	**XSMLV-I-CONNECT** 180576	
1000	**XSMLV-I-CH10** 143421 143557*	**XSMLV-I-D600** 180574	**XSMLV-I-D800** 180575	**XSMLV-I-CONNECT** 180576	

Accessories for outgoing sections SL







	VT21209		wa_vt63313		VT08506	VT08606	VT34210
Width mm	For SL section section depth 600 mm Article No. per unit unit = 1 set	For SL section section depth 800 mm Article No. per unit unit = 1 set	For SL section and SSL section vertical install. section depth 600 mm with EVEN type of connection Article No. per unit unit = 1 set	For SL section and SSL section vertical install. section depth 800 mm with EVEN type of connection Article No. per unit unit = 1 set	Empty-space covers suitable for all strip types/ manu-facturers W = 50 mm Article No. per unit unit = 1 set	Empty-space covers suitable for all strip types/ manu-facturer W = 100 mm Article No. per unit unit = 1 set	Cover profile in addition to SL empty-space cover (to close the gap between dropper bar and blind cover) Article No. per unit unit = 1 m
600	**XPL-06** 284161	**XPL0608** 126006	**XPLB0606** 116456	**XPLB0608** 124415	**XME0602CL** 289904	**XME0604CL** 289905	**XPLSTB-1000** 150540
800	**XPL-08** 284162	**XPL0808** 126007	**XPLB0806** 116457	**XPLB0808** 124416	**XME0602CL** 289904	**XME0604CL** 289905	**XPLSTB-1000** 150540
1000	**XPL-10** 285500	**XPL1008** 126008	**XPLB1006** 116458	**XPLB1008** 124417	**XME0602CL** 289904	**XME0604CL** 289905	**XPLSTB-1000** 150540

Note * Finish in special RAL colour

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Dropper Bar Sets up to 3200A, Double Bar



vt80815

One set includes material for a support with double busbar system:
6x mounting brackets for rail support (for left and right mounting),
1 pc. busbar support, including screw material

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
A	mm^2	mm^2	Article No. 1 set
1600	2 x 40 x 10	1 x 40 x 10	**KDSF-16-SL-D** 180578
2000	2 x 60 x 10	1 x 60 x 10	**KDSF-20-SL-D** 180579
2500	2 x 80 x 10	1 x 80 x 10	**KDSF-25-SL-D** 180580
3200	2 x 100 x 10	1 x 100 x 10	**KDSF32-SL-D** 180581

Dropper Bar Sets up to 1600A, Single Bar



vt81315

One set includes material for a support with single rail system:
1 pc. mounting bracket for rail support, 1 pc. busbar support for single busbar up to 1600 A, including screw material

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - set	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max. 1 x 100 x 10	**KDSF16-SL-S** 180577

Busbar support for simple busbars up to 1600 A



vt81415

Incl.: 1 pc. Rail support and screw material

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - single	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max.	**KDSLH** 182913

Powering Business Worldwide

Accessories: Fixing material for SL fuse strips

Hammer-head screw

Size mm	Type	Article No. per unit unit = 30 pcs.	
			 VT28710

Hammer-head-screw - necessary for mounting the fuse switch disconnectors

~~12 x 66~~	**XNHKS-12X66**	144071	
~~12 x 80~~	**XNHKS-12X80**	144072	
~~12 x 100~~	**XNHKS-12X100**	144073	
~~12 x 120~~	**XNHKS-12X120**	144074	
12 x 155	**HK12155--H**	151282	(unit = 3 pcs.)

Washer M12

	Type	Article No. per unit unit = 30 pcs.	
			 VT28810

Washer - necessary for fixing the hammer-head screw in the Cu-bar so as to make it easier to mount the fuse switch disconnectors

XNHS-M12	144075

Accessories for 5000A application with a section depth of 1000mm

Additional partition for 5000A systems



wa_vt71313

Section width mm	Partition extension for 5000A systems Busbar area/ Main busbar area Article No. per unit unit = 1 pc.	
600	**XPIBCB-H-06019** 150515	
800	**XPIBCB-H-08019** 150516	
1000	**XPIBCB-H-10019** 150518	

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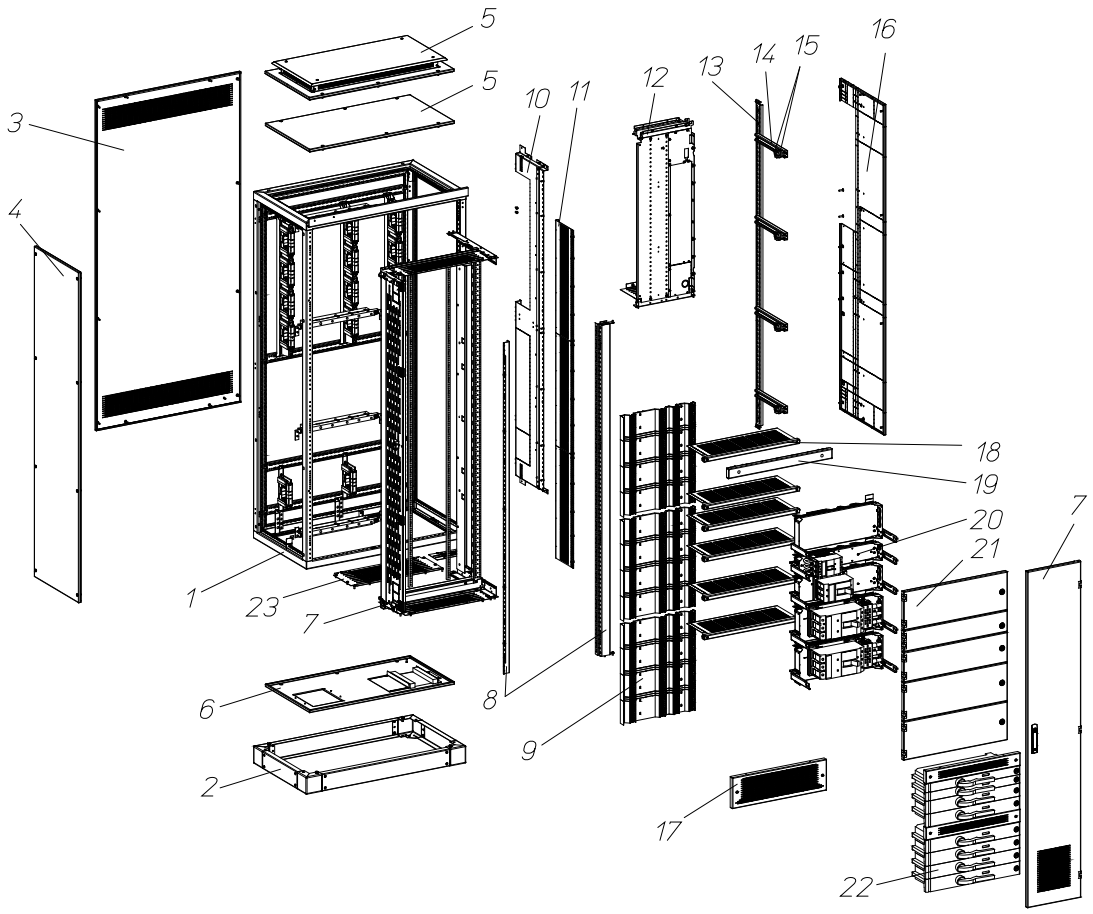
Notes

XR = Outgoing sections in removable design

Outgoing sections in removable plug-in design . . . . . Page xx
Outgoing sections for switch-fuse units PIFT, vertical position . . . . . Page xx
Outgoing sections for switch-fuse units PIFT, horizontal position . . . . . Page xx

Plug-in Module Technology

XR-mixed_expl



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Fitting kit
8 Mounting frame
9 Partition dropper bar
10 Separation panel dropper bar/cable connection area
11 Cable insertion
12 Cover main busbar
13 Mounting profile as high as the section
14 Cable strain relief rail
15 Insulator N dropper bar
16 Separation panel section / section
17 Compensation cover - bottom
18 Horizontal partition
19 Compensation cover - top
20 Plug-in module (removable module)
21 Module door
22 PIFT module

Features

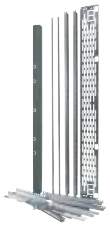
- Widths of 800/1000/1200 mm
- Module width 600 mm
- 3 or 4 poles
- Form 2 to Form 4b / Type 7
- Shared door in Form 2
- Split door in Form 4
- IP31/IP42/IP55
- Circuit breakers of the NZM series
- Circuit breaker modules can be combined
- Dropper bars selectable from 800 to 1600 A

Notes

Frame comes with a blue design strip.
Doors include locking system for 3mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
In order to ensure air circulation with IP31/42, a 100 mm high and ventilated front plate needs to be installed at the lowest point.
For flanges, clip-down handle, lifting eyebolts, 180° hinges, fixing brackets, Durostone posts, connection kits, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories”.

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XR Mixed, Form 4


VT37216


VT16416


VT14716

Section depth mm	Section solution	Module width mm	Section width mm	Cable sec-. tion width mm	Mounting frame consisting of 2 mounting side panels, 2 mounting profiles, holding and cross profiles, incl. all screws Article No. per unit	Set of partitions top/bottom Article No. per unit	Cover frame consisting of: 2 side cover strips, 2 front elements, incl. all screws Article No. per unit
600	XR modules and PIFT 3+4-pole are possible, but PIFT without door	600	1000	400	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF** 184669
			1200	600	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF** 184669
600	XR modules and PIFT 3-pole are possible, but PIFT 4-pole without door	600	1000	400	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF-50** 184670
			1200	600	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF-50** 184670
800	XR modules and PIFT 3-pole are possible, but PIFT without door	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF** 184669
			1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF** 184669
800	XR modules and PIFT 3-pole are possible with door, 4-pole PIFT without door	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-50** 184670
			1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-50** 184670
800	XR modules and PIFT 3+4-pole are possible - behind the door. PIFT also possible without door.	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-100** 184671
			1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-100** 184671

Note * Finish in special RAL colour

EATON
Powering Business Worldwide



VT30516



wa_vt81213



wa_vt69613



VT37416



VT14316



VT03711



VT03611

Dropper busbar Article No. per unit	U-profile for shutter mounting L = 1850 mm Pack = 2 pcs. Article No. per unit	Shutter for removable module and SSL fuse strip, you will need 12 pcs. for each fitting kit/section Pack = 1 pc. Article No. per unit	Partition f. connection area (half height), if the total height should be covered, you need to order 2 of them Article No. per unit	Separation panel dropper busbar area/cable connection area Article No. per unit	Fixing bracket for PE/PEN in the connection area Article No. per unit	Fixing bracket for N in the connection area Article No. per unit
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221

Note * Finish in special RAL colour


VT15116


VT15016


wa_vt34513


wa_vt65213


VT14916


VT14916


VT16516

Door to switchgear area incl. hinges and screws IP31 Article No. per unit	Door to switchgear area incl. hinges and screws IP42 Article No. per unit	Door to switchgear area incl. hinges and screws IP55 Article No. per unit	Door to connection area incl. hinges and screws IP31 Article No. per unit	Door to connection area incl. hinges and screws IP42 Article No. per unit	Door to connection area incl. hinges and screws IP55 Article No. per unit	Horizontal partition Article No. per unit
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV320035** 184712	**XSDRCRV420035** 184713	**XSDRCC20035** 184714	**XPRMM** 184684
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV32055** 184715	**XSDRV420055** 184716	**XSDRCC20055** 184717	**XPRMM** 184684
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV320035** 184712	**XSDRCRV420035** 184713	**XSDRCC20035** 184714	**XPRMM-50** 184685
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV32055** 184715	**XSDRV420055** 184716	**XSDRCC20055** 184717	**XPRMM-50** 184685
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV320035** 184712	**XSDRCRV420035** 184713	**XSDRCC20035** 184714	**XPRMM** 184684
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV32055** 184715	**XSDRV420055** 184716	**XSDRCC20055** 184717	**XPRMM** 184684
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV320035** 184712	**XSDRCRV420035** 184713	**XSDRCC20035** 184714	**XPRMM-50** 184685
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV32055** 184715	**XSDRV420055** 184716	**XSDRCC20055** 184717	**XPRMM-50** 184685
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV320035** 184712	**XSDRCRV420035** 184713	**XSDRCC20035** 184714	**XPRMM-100** 184686
XSDRMV32000 184708	**XSDRMV42000** 184709	**XSDRMC2000** 184710	**XSDRCV32055** 184715	**XSDRV420055** 184716	**XSDRCC20055** 184717	**XPRMM-100** 184686

Note * Finish in special RAL colour

EATON
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VT15516+VT15816



VT15916

VT25009

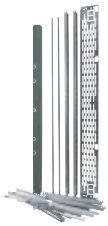


wa_vt15013

Front covers/ Module doors Article No. per unit	Side separation panel for cable connection area. For British Standard, division into individual terminal areas. A separate cable guidance section will be required for this purpose. Article No. per unit	Closing strips Article No. per unit	Universal profile Article No. per unit	Cable strain relief rails Article No. per unit	
see table below	**XPRCC2006** 184642	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR04** 283850	
see table below	**XPRCC2006** 184642	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR04** 283850	
see table below	**XPRCC2006** 184642	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR04** 283850	
see table below	**XPRCC2006** 184642	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR04** 283850	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	
see table below	**XPRCC2008** 184643	**XPRMC-MC** 184644	**XSMPB20** 288997	**XAR06** 283851	

Note * Finish in special RAL colour

XR Mixed, Form 2


VT37216


vt16416


VT14716

Section depth mm	Section solution	Cover frame depth mm	Module width mm	Section width mm	Cable sect. width mm	Mounting frame consisting of 2 mounting side panels, 2 mounting profiles, fixing and cross profiles, incl. all screws Article No. per unit	Set of partitions top/bottom Article No. per unit	Cover frame consisting of: 2 side cover strips, 2 front elements, incl. all screws Article No. per unit
600	XR modules 3+4-pole are possible, but PIFT is not possible. The handle would collide with the door.	0	600	1000	400	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF** 184669
				1200	600	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF** 184669
600	XR modules 3+4-pole and PIFT 3-pole are possible	50	600	1000	400	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF-50** 184670
				1200	600	**XSMRDB06** 184667	**XPRCSB06** 184718	**XSMRCF-50** 184670
800	XR modules 3+4-pole are possible, but PIFT is not possible. The handle would collide with the door.	0	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF** 184669
				1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF** 184669
800	XR modules 3+4-pole and PIFT 3-pole are possible with door, 4-pole PIFT only without door	50	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-50** 184670
				1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-50** 184670
800	XR modules and PIFT 3+4-pole are possible - behind the door	100	600	1000	400	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-100** 184671
				1200	600	**XSMRDB08** 184668	**XPRCSB08** 184719	**XSMRCF-100** 184671

Note * Finish in special RAL colour



VT30516



wa_vt81213



wa_vt69613



VT37416



VT14316



VT03711



VT03611

Dropper busbar Article No. per unit	U-profile for shutter mounting L = 1850 mm Pack = 2 pcs. Article No. per unit	Shutter for removable module and SSL fuse strip, you will need 12 pcs. for each fitting kit/section Pack = 1 pc. Article No. per unit	Partition connection area (half height), if the total height should be covered, you need to order 2 of them Article No. per unit	Separation panel dropper busbar area/cable connection area Article No. per unit	Fixing bracket for PE/PEN in the connection area Article No. per unit	Fixing bracket for N in the connection area Article No. per unit
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2006** 184680	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD035** 184682	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221
see table below	**XASM-PI** 129004	**XAS0606-PI** 122029	**XPFCD055** 184683	**XPRCD2008** 184681	**XDSFP-MC** 151220	**XDSFN-MC** 151221

*) Doors come in two-wing version

Note * Finish in special RAL colour


wa_vt25713


wa_vt65013


wa_vt65013


wa_vt34213

VT25009


wa_vt15013

Section door IP55 Article No. per unit	Section door left IP31 Article No. per unit	Section door left IP42 Article No. per unit	Section door right IP42 Article No. per unit	Universal profile Article No. per unit	Cable strain relief rail Article No. per unit
XSDMC2010 284201	**XSDMLV2010** 284212	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	**XSMPB20** 288997	**XAR04** 283850
XSDMC2012-S*) 284202	**XSDMV2012-S*)** 284213	**XTSZDSKV4L-H2000W1200*)** 172704	**XTSZDSKV4R-H2000W1200*)** 172703	**XSMPB20** 288997	**XAR04** 283850
XSDMC2010 284201	**XSDMLV2010** 284212	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	**XSMPB20** 288997	**XAR04** 283850
XSDMC2012-S*) 284202	**XSDMV2012-S*)** 284213	**XTSZDSKV4L-H2000W1200*)** 172704	**XTSZDSKV4R-H2000W1200*)** 172703	**XSMPB20** 288997	**XAR04** 283850
XSDMC2010 284201	**XSDMLV2010** 284212	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	**XSMPB20** 288997	**XAR04** 283850
XSDMC2012-S*) 284202	**XSDMV2012-S*)** 284213	**XTSZDSKV4L-H2000W1200*)** 172704	**XTSZDSKV4R-H2000W1200*)** 172703	**XSMPB20** 288997	**XAR04** 283850
XSDMC2010 284201	**XSDMLV2010** 284212	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	**XSMPB20** 288997	**XAR04** 283850
XSDMC2012-S*) 284202	**XSDMV2012-S*)** 284213	**XTSZDSKV4L-H2000W1200*)** 172704	**XTSZDSKV4R-H2000W1200*)** 172703	**XSMPB20** 288997	**XAR04** 283850
XSDMC2010 284201	**XSDMLV2010** 284212	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	**XSMPB20** 288997	**XAR04** 283850
XSDMC2012-S*) 284202	**XSDMV2012-S*)** 284213	**XTSZDSKV4L-H2000W1200*)** 172704	**XTSZDSKV4R-H2000W1200*)** 172703	**XSMPB20** 288997	**XAR04** 283850

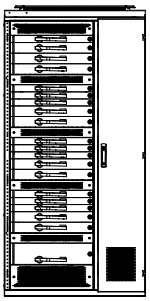
*) Türen sind zweiflügelig ausgeführt

Note * Finish in special RAL colour

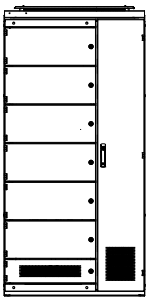
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Components XR Mixed

Compensation Covers - Different Applications

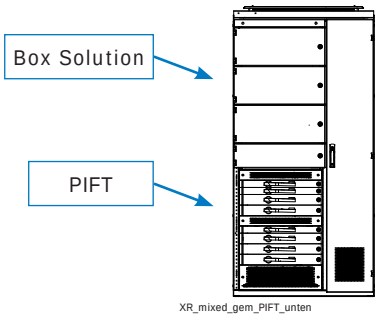


XR_mixed_nur_PIFT

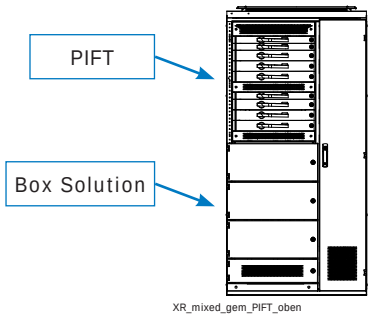


XR_mixed_nur_Steck

		Only with PIFT		Only removable/fixed modules	
		Required cover strips/ventilations/doors		Required cover strips/ventilations/doors	
		Bottom	Top	Bottom	Top
IP31					
No doors in front of PIFT modules	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	XSMRF 184672	XSMRF 184672
	Doors	–	–	XSDRMV30175 184690	–
With doors in front of PIFT modules	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	–	–
	Doors	Door of H=325-825mm XSDRMC3xxx	Door of H=325-825mm XSDRMC3xxx	–	–
Doors half-height	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	–	–
	Doors	XSDRMC0975-T 184702	XSDRMV30975-B 184705	XSDRMV30975-B 184705	XSDRMC0975-T 184702
Doors as high as the section	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	–	–
	Doors	XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708
IP42					
With doors in front of PIFT modules	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	XSMRF 184672	XSMRF 184672
	Doors	–	–	XSDRMV40175 184691	–
Doors half-height	Cover strips	–	–	–	–
	Doors			XSDRMV40975-B 184707	XSDRMC0975-T 184702
Doors as high as the section	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	–	–
	Doors	XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709
IP55					
With doors in front of PIFT modules	Cover strips	–	–	–	–
	Doors	–	–	–	–
Doors half-height	Cover strips	–	–	XSMRF 184672	XSMRF 184672
	Doors	–	–	XSDRMC0975-B 184703	XSDRMC0975-T 184702
Doors as high as the section	Cover strips	XSMRF-PIFT-B 184838	XSMRF-PIFT-T 184673	–	–
	Doors closed	XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710
	Glass doors	XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711



XR_mixed_gem_PIFT_unten



XR_mixed_gem_PIFT_oben

Mixed set-up of PIFT/removable or fixed modules
– PIFT at the bottom/removable or fixed modules at the top

Required cover strips/ventilations/doors for the PIFT section		for the Box Solution section	
bottom	top	bottom	top
XSMRF-PIFT-B 184838	XME0603CS 129011	–	XSMRF 174672
–	–	Door H=175-825mm XSDRMCxxxx	Door H=175-825mm XSDRMCxxxx
XSMRF 174672	XME0603CS 129011	–	XSMRF 174672
Door H=325-825mm XSDRMC3xxx	Door H=325-825mm XSDRMC3xxx	Door H=175-825mm XSDRMCxxxx	Door H=175-825mm XSDRMCxxxx
XSMRF-PIFT-B 184838	XME0603CS 129011	–	–
XSDRMV30975-B 184705	XSDRMV30975-B 184705	XSDRMC0975-T 184702	XSDRMC0975-T 184702
XSMRF-PIFT-B 184838	–	–	–
XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708
XSMRF-PIFT-B 184838	XME0603CS 129011	–	XSMRF 174672
Door H=325-825mm XSDRMC4xxx	Door H=325-825mm XSDRMC4xxx	Door H=175-825mm XSDRMCxxxx	Door H=175-825mm XSDRMCxxxx
XSMRF-PIFT-B 184838	XME0603CS 129011	–	–
XSDRMV40975-B 184707	XSDRMV40975-B 184707	XSDRMC0975-T 184702	XSDRMC0975-T 184702
XSMRF-PIFT-B 184838	–	–	–
XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709
XSMRF 184672	XME0603CSV 129011	–	XSMRF 174672
Any Standard Box door IP55 up to H=825mm to cover PIFT strips	Any Standard Box door IP55 up to H=825mm to cover PIFT strips	Any Standard Box door IP55 up to H=825mm	–
XSMRF-PIFT-B 184838	–	–	–
XSDRMC0975-B 184703	XSDRMC0975-B 184703	XSDRMC0975-T 184702	XSDRMC0975-T 184702
XSMRF-PIFT-B 184838	–	–	–
XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710
XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711

Mixed set-up of PIFT/removable or fixed modules
– PIFT at the top/removable or fixed modules at the bottom

Required cover strips/ventilations/doors for the PIFT section		for the Box Solution section	
bottom	top	bottom	top
XME0603CSV 129011	XSMRF-PIFT-T 184673	–	XSMRF 184672
–	–	Door H=175-825mm XSDRMCxxxx	Door H=175-825mm XSDRMCxxxx
XME0603CSV 129011	XSMRF 174672	–	XSMRF 184672
Door H=275-825mm XSDRMCxxxx	Door H=275-825mm XSDRMCxxxx	Door H=175-825mm XSDRMC3xxx	Door H=175-825mm XSDRMC3xxx
XME0603CSV 129011	XSMRF-PIFT-T 184673	–	–
XSDRMC0975-T 184702	XSDRMC0975-T 184702	XSDRMV30975-B 184705	XSDRMV30975-B 184705
–	XSMRF-PIFT-T 184673	–	–
XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708	XSDRMV32000 184708
XME0603CSV 129011	XSMRF-PIFT-T 184673	–	XSMRF 184672
Door H=275-825mm XSDRMCxxxx	Door H=275-825mm XSDRMCxxxx	Door H=175-825mm XSDRMC4xxx	Door H=175-825mm XSDRMC4xxx
XME0603CSV 129011	XSMRF-PIFT-T 184673	–	–
XSDRMC0975-T 184702	XSDRMC0975-T 184702	XSDRMV40975-B 184707	XSDRMV40975-B 184707
–	XSMRF-PIFT-T 184673	–	–
XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709	XSDRMV42000 184709
XME0603CSV 129011	XSMRF 174672	XSMRF 184672	–
Any Standard Box door IP55 up to H=825mm to cover PIFT strips	Any Standard Box door IP55 up to H=825mm to cover PIFT strips	–	Any Standard Box door IP55 up to H=825mm
–	XME0603CSV 129011	–	–
XSDRMC0975-B 184703	XSDRMC0975-B 184703	XSDRMC0975-T 184702	XSDRMC0975-T 184702
–	XME0603CSV 129011	–	–
XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710	XSDRMC2000 184710
XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711	XSDRMD2000 184711

Module doors/Cover strips



vt15616



vt15416



vt15516

Height in mm	Module doors/ cover strips, IP55 Article No. per unit	Module doors/ cover strips, IP42 Article No. per unit	Module doors/ cover strips, IP31 Article No. per unit
50*)	**XRMC050** 184687		
75*)	**XRMC075** 184688		
125	**XSDRMC0125** 184689		
175	**XSDRMC0175** 184692	**XSDRMV40175** 184691	**XSDRMV30175** 184690
225	**XSDRMC0225** 184693		
275	**XSDRMC02755** 184694		
325	**XSDRMC0325** 184695		
375	**XSDRMC0375** 184696		
425	**XSDRMC0425** 184697		
525	**XSDRMC0525** 184698		
625	**XSDRMC0625** 184699		
725	**XSDRMC0725** 1846700		
825	**XSDRMC0825** 184701	**XSDRMV40825** 184706	**XSDRMV30825** 184704
975 Door half-height - top	**XSDRMC0975-T** 184702		
975 Door half-height-bottom	**XSDRMC0975-B** 184703	**XSDRMV40975-B** 184707	**XSDRMV30975-B** 184705
2000 Door as high as section - bottom	**XSDRMC2000** 184710	**XSDRMV42000** 184709	**XSDRMV32000** 184708

*) Finished as snap-on cover

Sets of rail carriers



VT30516

Cross section mm	Short-circuit breaking capacity	Sets of rail carriers Article No. per unit
40x10	30kA/1s	**XDSR-40x10-30** 184674
40x10	50kA/1s	**XDSR-40x10-50** 184675
60x10	50kA/1s	**XDSR-60x10-50** 184676
60x10	65kA/1s	**XDSR-60x10-65** 184677
80x10	65kA/1s	**XDSR-80x10-65** 184678
80x10	80kA/1s + 50kA/3s	**DSR-80x10-80** 184679

Shutter for removable modules and SSL fuse strips



wa_vt81213



wa_vt69613

Type U-profile for shutter mounting L = 1850 mm Article No. per unit Pack = 2 pcs.	Type Shutter for removable design and SSL fuse strips, you will need 12 pcs. for each fitting kit/section Article No. per unit Pack = 1 pc.
XASM-PI 129004	**XAS0606-PI** 122029

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Power Modules in Removable Design








Poles	vt16116 Universal Power Module f. voltage tap directly from the dropper busbar I_{max}=630A incl. guidance rail and screws Article No. per unit	vt39216 Removable design module suitable f. PKZM0 and PKE32 switchgear, module height = 100 mm incl. guidance rail and screws Article No. per unit	vt16116 Removable design module suitable f. PKZM4 and PKE65 switchgear, module height = 100 mm incl. guidance rail and screws Article No. per unit	vt39116 NZM1 Removable design module suitable for NZM/ size 1, module height 3-pol.=100mm, 4-pol.=150mm incl. guidance rail and screws Article No. per unit	vt38916 NZM2 Removable design module suitable for NZM/ size 2, module height 3-pol.=150mm, 4-pol.=200mm incl. guidance rail and screws Article No. per unit	vt38216 NZM3 Removable design module suitable for NZM/ size 3, module height 3-pol.=200mm, 4-pol.=250mm incl. guidance rail and screws Article No. per unit
3	**XMR-I-3-04** 184720	**XMR-P-04** 184722	**XMR-P2-04** 185229	**XMR-N13-04** 184723	**XMR-N23-06** 184725	**XMR-N33-08** 184727
4	**XMR-I-4-04** 184721	**-**	**-**	**XMR-N14-06** 184724	**XMR-N24-08** 184726	**XMR-N34-10** 184728

Removable design - Expansion modules





Module height	vt38516 General removable design modules/ expansion modules without drill holes, incl. guidance rails and screws Article No. per unit	VT17316 Connection kit to mechanically connect 2 modules, incl. 2 connection straps and screws Article No. per unit	vt43616 Operating handles for removable design modules Article No. per unit
100	**XMR-E-04** 184729	**XMR-ACK** 184633	**XMR-AH** 184641
150	**XMR-E-06** 184730		
200	**XMR-E-08** 184731		
250	**XMR-E-10** 184732		
300	**XMR-E-12** 184733		
350	**XMR-E-14** 184734		
400	**XMR-E-16** 184735		

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Fixed Modules



Vt15716

Module height	General fixed modules mounting plate and screws Article No. per unit
100	**XMR-EF-04** 184634
150	**XMR-EF-06** 184635
200	**XMR-EF-08** 184636
250	**XMR-EF-10** 184637
300	**XMR-EF-12** 184638
350	**XMR-EF-14** 184639
400	**XMR-EF-16** 184640

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Separation panels for sub-division of the cable connection area (separate terminal area)

are required to accomplish internal separation up to type 7 according to British Standard



VT16316

Section depth mm	Horizontal separation panel, for each module you will need 2 separation panels; for 2 adjacent modules you will need 3 separation panels only. Article No. per unit
600	**XPRCCH03506** 184645
800	**XPRCCH03508** 184646



vt28316

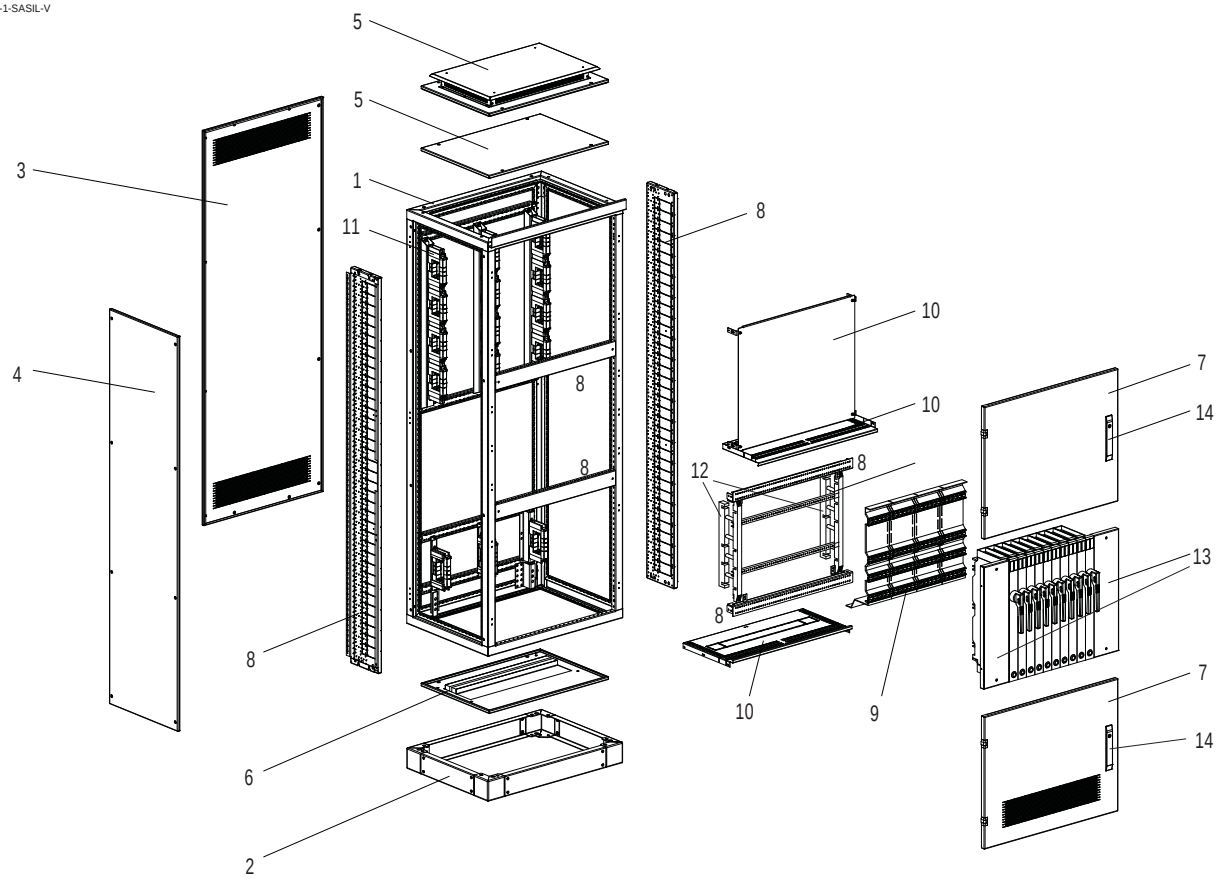
Module height mm	Vertical separation panel, cover panels as high as the module, one cover panel for each module, suitable for the width of the cable connection area 350mm/section width 1000mm Article No. per unit
50	**XPRCCV0050035** 184647
75	**XPRCCV0075035** 184648
125	**XPRCCV0125035** 184649
175	**XPRCCV0175035** 184650
225	**XPRCCV0225035** 184651
275	**XPRCCV0275035** 184652
325	**XPRCCV0325035** 184653
375	**XPRCCV0375035** 184654
425	**XPRCCV0425035** 184655
525	**XPRCCV0525035** 184656
625	**XPRCCV0625035** 184657
725	**XPRCCV0725035** 184658
528	**XPRCCV0825035** 184659
975	**XPRCCV0975035** 184660

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Notes

Outgoing Section for PIFT vertical

Katalog 4-1-SASIL-V



Abbreviations:
EVEN . . . . . Main busbars and connection area are on the same side
OPPO . . . . . Main busbars and connection area are opposite each other
UK . . . . . 3P&N (for UK market)

1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Fitting kit for PIFT
9 Shutter
10 Separation panels
11 Support for main busbar
12 Support for dropper bar
13 Cover for empty spaces
14 Lock mechanism

Features
- Widths of 600/800/1000 mm
- Suitable for rear-mounted main busbar
- Can be installed while energized (strips)
- IP31
- Outgoers are possible up and downwards
- Form 3
- To be operated from outside
- Dropper bar from 800 to 1600 A
- Suitable for fuse strips from ABB and Jean-Müller

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to ensure the appropriate degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

Outgoing Section with Switch Fuse Units, Vertical, Main Busbars rear-mounted (HSS), PIFT Vertical



wa_vt72413



VT24309

Section depth mm	Section width mm	Width of switchgear area ready to carry equipment mm	Fitting kit for PIFT to be operated from outside Article No. per unit
600	600	500	**XSMSV0608** 284279 122299*
	800	700	**XSMSV0808** 284281 122300*
	1000	900	**XSMSV1008** 285510 122378*
800	600	500	**XSMSV0608** 284279 122299*
	800	700	**XSMSV0808** 284281 122300*
	1000	900	**XSMSV1008** 285510 122378*

Note * Finish in special RAL colour

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VT18709



VT21209



wa_vt63313



wa_vt65313



wa_vt65413



wa_vt65513

Fitting kit support for dropper bar Article No. per unit	Partitions separation panels Article No. per unit	Separation p. for EVEN connection Article No. per unit	Door to switch-gear area (one-third door) up to IP55 closed Article No. per unit	Door to switch-gear area (one-third door) up to IP31 ventilated right Article No. per unit	Door to switch-gear area. (one-third door) up to IP31 ventilated left Article No. per unit	
see page xx	**XPL06** 284161	**XPLB0606** 116456	**XSDMC0606** 284195 122241*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
see page xx	**XPL08** 284162	**XPLB0806** 116457	**XSDMC0608** 284196 122242*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
see page xx	**XPL10** 285500	**XPLB1006** 116458	**XSDMC0610** 285506 122374*	**XSDMRV0610** 285508 122376*	**XSDMLV0610** 285507 122375*	
see page xx	**XPL0608** 126006	**XPLB0608** 124415	**XSDMC0606** 284195 122241*	**XSDMRV0606** 284215 122261*	**XSDMLV0606** 284206 122252*	
see page xx	**XPL0808** 126007	**XPLB0808** 124416	**XSDMC0608** 284196 122242*	**XSDMRV0608** 284216 122262*	**XSDMLV0608** 284207 122253*	
see page xx	**XPL1008** 126008	**XPLB1008** 124417	**XSDMC0610** 285506 122374*	**XSDMRV0610** 285508 122376*	**XSDMLV0610** 285507 122375*	

Note * Finish in special RAL colour



Components
Switch Fuse Units PIFT vertical

Accessories

Fitting kits for SSL Switch-fuse Units PIFT (vertical)



VT24309

Section width mm	Fitting kits for SSL switch-fuse units PIFT vertical Article No. per unit
425	-
600	**XSMSV0608** 284279 122299*
800	**XSMSV0808** 284281 122300*
1000	**XSMSV1008** 285510 122378*

Accessories for Outgoing Sections: Empty-space Covers



VT28410

Height mm	Empty-space cover for closing the gap between switchgear area and cable connection area Article No. per unit unit = 1 pc.
25	**XPFMC25** 143197
50	**XPFMC50** 143198
75	**XPFMC75** 143199
100	**XPFMC100** 143194
150	**XPFMC150** 143195
200	**XPFMC200** 143196

Accessories for Outgoing Sections: Empty-space Covers



VT08406

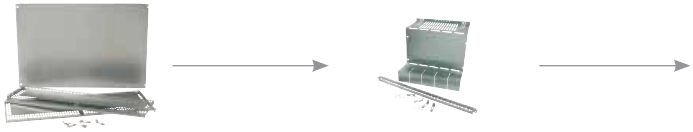
VT00709

For SSL H = 25 mm Article No. per unit	For SSL H = 50 mm Article No. per unit	For SSL H = 75 mm Article No. per unit	For SSL H = 75 mm ventilated Article No. per unit	For SSL H = 150 mm Article No. per unit	Set for conventional arc fault protection for PIFT Article No. per unit
XME0601CS 289955 122393*	**XME0602CS** 292500 122399*	**XME0603CS** 292501 122400*	**XME0603CSV** 129011 129014*	**XME0606CS** 292502 122401*	**XSMS06** 108781 122562*

Note * Finish in special RAL colour

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Accessories for Outgoing Sections: Separation Panels



VT21209 wa_vt63313

Width mm	Partition separation panels for SSL section section depth 600 mm Article No. per unit unit = 1 set	Partition separation panels for SSL section section depth 800 mm Article No. per unit unit = 1 set	Partition for SSL section vertical install. section depth 600 mm with EVEN type of connection Article No. per unit unit = 1 set	Partition for SSL section vertical instal. section depth 800 mm with EVEN type of connection Article No. per unit unit = 1 set	
600	**XPL-06** 284161	**XPL0608** 126006	**XPLB0606** 116456	**XPLB0608** 124415	
800	**XPL-08** 284162	**XPL0808** 126007	**XPLB0806** 116457	**XPLB0808** 124416	
1000	**XPL-10** 285500	**XPL1008** 126008	**XPLB1006** 116458	**XPLB1008** 124417	

Dropper Bars up to 1600A for Outgoing Sections - PIFT vertical

Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT



VT18809

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type Fitting kit, dropper bars 3 poles L1, L2, L3 Article No. 1 set
A	mm^2	mm^2	
Dropper bars, horizontal, for vertically installed PIFT fuse strips, center-to-center phase distance 185 mm Set includes 2 supports			
800	1 x 40 x 10 (N = 1 x 40 x 10)[1]	1 x 20 x 10[1]	**KDSSH08** 283896
1000	1 x 60 x 10 (N = 2 x 40 x 10)[1]	1 x 40 x 10[1]	**KDSSH10** 283897
1200	1 x 80 x 10 (N = 2 x 40 x 10)[1]	1 x 40 x 10[1]	**KDSSH12** 283898
1600	1 x 100 x 10 (N = 2 x 60 x 10)[1]	1 x 60 x 10[1]	**KDSSH16** 283899

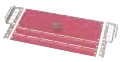
Note

* Finish in special RAL colour
For short-circuit strength see as of page xx
[1] Where necessary, this is to be determined depending on the cross-section required for N or PE, PEN of the main busbar.

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Accessories for 5000A applications with a section depth of 1000mm

Additional partition for 5000A systems



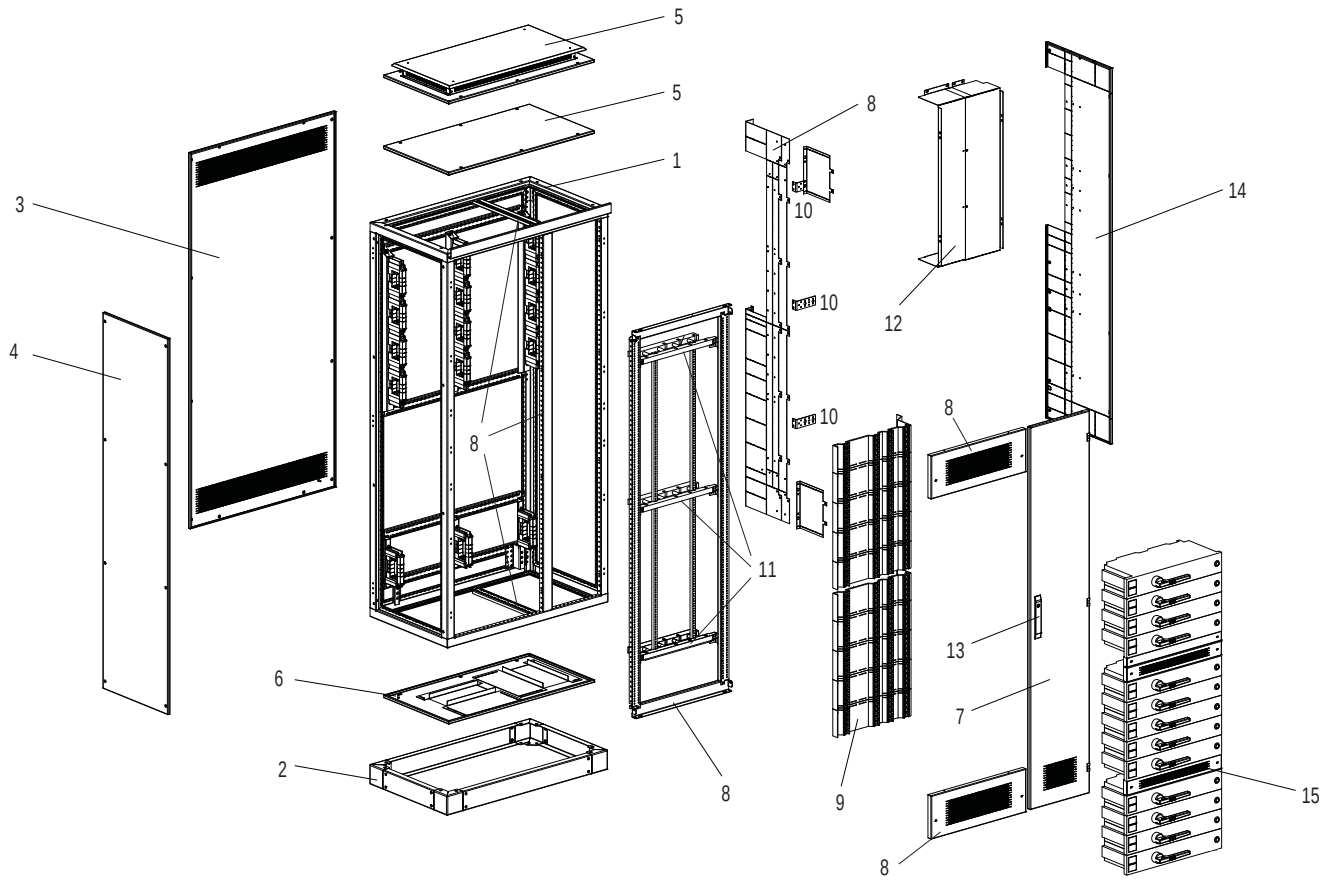
wa_vt71313

Section width mm	Partition extension for 5000A systems busbar area/ main busbar area Article No. per unit unit = 1 pc.	
600	**XPIBCB-H-06019** 150515	
800	**XPIBCB-H-08019** 150516	
1000	**XPIBCB-H-10019** 150518	

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Notes

Outgoing Section for PIFT horizontal



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door to connection area
8 Fitting kit for PIFT
9 Shutter
10 Angle bracket for N and PEN dropper bars
11 Support for dropper bars
12 Partition main busbar/cable connection area
13 Lock mechanism
14 Separation panel section/section
15 Front panel ventilated

Features

- Widths of 600/800/1000 mm
- Suitable for main busbar at the rear
- Can be installed while energized (strips)
- IP31
- Outgoers are possible up and downwards
- Form 3
- Operation is possible from outside or behind the door
- Dropper bars from 800 to 1600 A
- Suitable for fuse strips from Eaton and ABB

Notes

Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

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Outgoing Section with Switch Fuse Units - Horizontal, Main Busbars rear-mounted (HSS), PIFT



wa_vt76013

Suitable for PIFT, ABB Slim Line



VT20009



VT20109



VT00409, VT00309, VT00209



VT18809



wa_vt69913

Section depth mm	Section width mm	Width of switchgear area	Width of connection area mm	Fitting kit for PIFT operated from outside Article No. per unit	Fitting kit for PIFT operated behind door Article No. per unit	Fitting kit for Slim-Line (ABB) operated from outside Article No. per unit	Fitting kit support for dropper bar Article No. per unit	Angle bracket for PE/PEN in connection area Article No. per unit
600	1000	600	400	**XSMSHD06** 284274 122295*	-	**XSMSH-ABB** 110278 122606*	see Page xx	**XDSFP** 283895
With door to switch-gear area	1200	600	600	**XSMSHD06** 284274 122295*	-	**XSMSH-ABB** 110278 122606*	see Page xx	**XDSFP** 283895
	1000	675	325	-	**XSMSHI06** 284276 122297*	-	see Page xx	**XDSFP** 283895
	1200	675	525	-	**XSMSHI06** 284276 122297*	-	see Page xx	**XDSFP** 283895
800	1000	600	400	**XSMSHD08** 284275 122296*	-	-	see Page xx	**XDSFP** 283895
With door to switch-gear area	1200	600	600	**XSMSHD08** 284275 122296*	-	-	see Page xx	**XDSFP** 283895
	1000	675	325	-	**XSMSHI08** 284277 122298*	-	see Page xx	**XDSFP** 283895
	1200	675	525	-	**XSMSHI08** 284277 122298*	-	see Page xx	**XDSFP** 283895

Note * Finish in special RAL colour

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wa_vt70013


wa_vt71913


wa_vt65013


wa_vt65213

Angle bracket for N/PEN in connection area Article No. per unit	Partition [1] connection area/ main busbar Article No. per unit	Door to switch gear area up to IP31 ventilated left Article No. per unit	Door to connection area up to IP31 ventilated right Article No. per unit	
XDSFN 283894	**XPFCB04** 284119	**-**	**XSDSCRV2004** 284227 122270*	
XDSFN 283894	**XPFCB06** 284746	**-**	**XSDSCRV2006** 284229 122272*	
XDSFN 283894	**XPFCB04** 284119	**XSDSMLV2006** 284230 122273*	**XSDSCRV2003** 284226 122269*	
XDSFN 283894	**XPFCB06** 284746	**XSDSMLV2006** 284230 122273*	**XSDSCRV2005** 284228 122271*	
XDSFN 283894	**XPFCB04** 284119	**-**	**XSDSCRV2004** 284227 122270*	
XDSFN 283894	**XPFCB06** 284746	**-**	**XSDSCRV2006** 284229 122272*	
XDSFN 283894	**XPFCB04** 284119	**XSDSMLV2007** 284230 122273*	**XSDSCRV2003** 284226 122269*	
XDSFN 283894	**XPFCB06** 284746	**XSDSMLV2007** 284230 122273*	**XSDSCRV2005** 284228 122271*	

Note

[1] Width = depending on module width and width of section
* Finish in special RAL colour

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Components
Switch Fuse Units PIFT horizontal

Accessories

Fitting Kits for SSL Switch Fuse Units, Main Busbar rear-mounted



VT20009



VT20109



VT00409, VT00309

Section depth mm	Fitting kits for SSL switch fuse units PIFT horizontal Article No. per unit	Fitting kits for SSL switch fuse units PIFT horizontal behind the door Article No. per unit	Fitting kits for SSL switch-fuse units ABB horizontal Article No. per unit
600	**XSMSHD06** 284274 122295*	**XSMSHI06** 284276 122297*	**XSMSH-ABB** 110278 122606*
800	**XSMSHD08** 284275 122296*	**XSMSHI08** 284277 122298*	-

Accessories for Outgoing Sections: Empty-space Covers



VT28410

Height mm	Empty-space cover for closing the gap between switchgear area and cable connection area Article No. per unit unit = 1 pc.
25	**XPFMC25** 143197
50	**XPFMC50** 143198
75	**XPFMC75** 143199
100	**XPFMC100** 143194
150	**XPFMC150** 143195
200	**XPFMC200** 143196

Accessories for Outgoing Sections: Empty-space Covers



VT08406



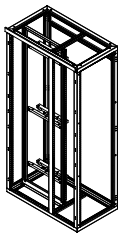
VT00709

For SSL H = 25 mm Article No. per unit	For SSL H = 50 mm Article No. per unit	For SSL H = 75 mm Article No. per unit	For SSL H = 75 mm ventilated Article No. per unit	For SSL H = 150 mm Article No. per unit	Set for conventio-nal arc fault protection for PIFT Article No. per unit
XME0601CS 289955 122393*	**XME0602CS** 292500 122399*	**XME0603CS** 292501 122400*	**XME0603CSV** 129011 129014*	**XME0606CS** 292502 122401*	**XSMS06** 108781 122562*

Note * Finish in special RAL colour

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Dropper Bars up to 1600A for Outgoing Sections - PIFT



00123257_0

Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT



VT18809

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type Fitting kit, dropper bars 3 poles L1, L2, L3 Article No. 1 set
A	mm^2	mm^2	
Dropper bars, vertical, for horizontally installed PIFT fuse strips, center-to-center phase distance 185 mm Set includes 3 supports, one of them with end plate			
800	1 x 40 x 10	1 x 20 x 10	**KDSSV08** 283902
1000	1 x 60 x 10	1 x 40 x 10	**KDSSV10** 283903
1200	1 x 80 x 10	1 x 40 x 10	**KDSSV12** 283904
1600	1 x 100 x 10	1 x 60 x 10	**KDSSV16** 283905

Accessories for Outgoing Sections PIFT



wa_vt69913



wa_vt70013

Type of support for conductor in connection area[1)] PE or PEN Article No. per unit	N+PEN Article No. per unit
XDSFP 283895	**XDSFN** 283894
XDSFP 283895	**XDSFN** 283894
XDSFP 283895	**XDSFN** 283894

Accessories for Outgoing Sections: Partitions for internal separation



wa_vt71913

Section width mm	Form 2/4 Connection area/ dropper bar area in the widths of 200/400/600 Article No. per unit unit = 1 set
800	**XPFCB02** 284745
1000	**XPFCB04** 284119
1200	**XPFCB06** 284746

Note For short-circuit strength see as of page xx

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Accessories for 5000A application with a section depth of 1000mm

Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

Section width mm	Switchgear area width mm	Cable connect. area width mm	Switch fuse unit section without door to the switchgear area Article No. per unit unit = 1 set	Removable design sections in 2/4 and SSL switch fuse unit sections with door to switchgear area Article No. per unit unit = 1 set	
1000	600	385	**XPSBCB385** 158611	-	
1200	600	585	**XPSBCB585** 158613	-	
1000	600	320	-	**XPSBCB320** 158612	
1200	600	520	-	**XPSBCB520** 158614	

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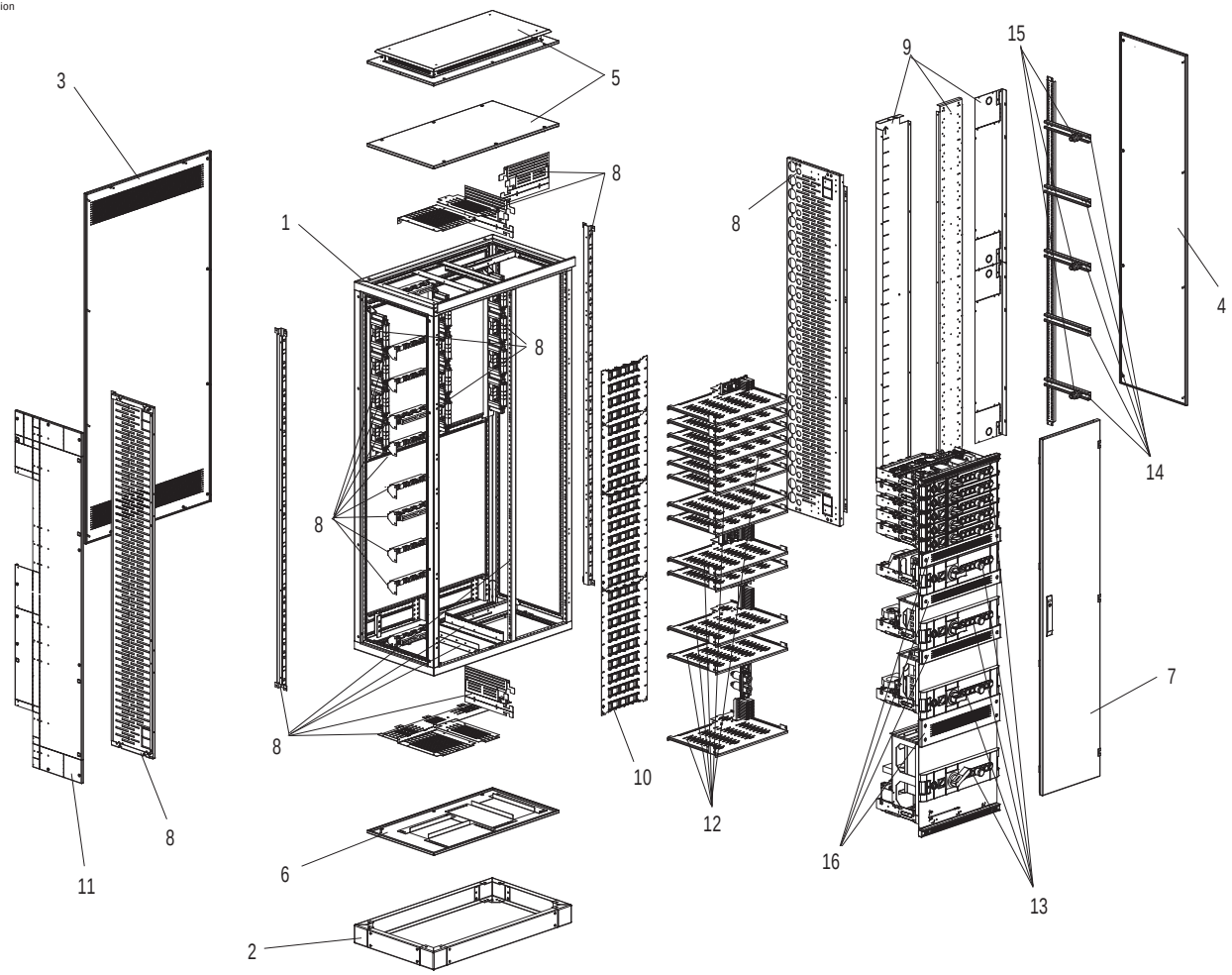
XW = Outgoing sections in withdrawable design

Outgoing sections as Motor Control Centers in withdrawable design . . . . . Page xx
DOL Direct Starters . . . . . Page xx
FR Reverse starters . . . . . Page xx
SD star/delta . . . . . Page xx
3-pole FE power outgoers . . . . . Page xx
4-pole FE power outgoers . . . . . Page xx
3-pole power outgoers with contactor for remote operation - FC . . . . . Page xx
4-pole power outgoers with contactor for remote operation - FC . . . . . Page xx
Individual parts . . . . . Page xx

Powering Business Worldwide

Outgoing Sections as Motor Control Centers in Withdrawable Design

MCC_Explosion



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Fitting kit Motor Control Center
9 Partition between main busbar area/cable connection area
10 Partition dropper bar
11 Separation panel section/section
12 Shelf-boards
13 Drawers
14 Anchoring rails
15 Supports/Insulator neutral conductors
16 Front panels

Features

- Section height 2000 mm
- Section depths of 600/800/1000 mm
- Section widths of 1000/1200 mm
- IP31/55
- Outgoings are possible at the top and bottom
- Form 4b
- Dropper bars I_n = 1000/2000 A
- Dropper bar short-circuit current I_{cw} max = 80 kA
- N+PE in the cable connection area
- Module can be replaced while system is energized
- Max. switchgear area available H = 1875 mm

Notes

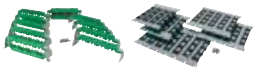
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".
No additional partition for 5000A applications necessary.

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Outgoing Sections as Motor Control Centers in Withdrawable Design



VT01511



VT02711 VT02911



VT03411



VT01611

Section depth mm	Section width mm	Width of connection area mm	Fitting kit for MCC Article No. per unit	Dropper bar set Article No. per unit	Shutters 35, 50, 65 kA Article No. per unit	Shutters 80 kA Article No. per unit	Shutter Accessories Article No. per unit	Partition Cable connect area/Main busbar area Article No. per unit
600	1000	400	**XSMFDB0606-MC** 151211	see page xx	**XPFDM-65-MC** 151215	**XPFDM-80-MC** 151216	**XPFDM-A-MC** 151217	**XPFCB04-MC** 151213
	1200	600	**XSMFDB0606-MC** 151211	see page xx	**XPFDM-65-MC** 151215	**XPFDM-80-MC** 151216	**XPFDM-A-MC** 151217	**XPFCB06-MC** 151214
800	1000	400	**XSMFDB0608-MC** 151212	see page xx	**XPFDM-65-MC** 151215	**XPFDM-80-MC** 151216	**XPFDM-A-MC** 151217	**XPFCB04-MC** 151213
	1200	600	**XSMFDB0608-MC** 151212	see page xx	**XPFDM-65-MC** 151215	**XPFDM-80-MC** 151216	**XPFDM-A-MC** 151217	**XPFCB06-MC** 151214

Note * Finish in special RAL colour

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VT02211



VT03711



VT03611



wa_vt34513



wa_vt34213



VT04111

Front filler IP31 Article No. per unit	Front filler IP55 Article No. per unit	Fixing set for PE/PEN dropper bar in the cable connect. area Article No. per unit	Fixing set for N dropper bar in the cable connect. area Article No. per unit	Door to cable conn. area IP55 Article No. per unit	Door to cable connection area IP31 Article No. per unit	Rain top IP31 Article No. per unit	
XMCTB-V-MC 151218 152661*	**XMCTB-C-MC** 151219 152662*	**XDSFP-MC** 151220	**XDSFN-MC** 151221	**XSDFCC2004** 284183 122231*	**XSDFCRV2004** 151670 151672*	**XSFDR10-X1-B** 155542	
XMCTB-V-MC 151218 152661*	**XMCTB-C-MC** 151219 152662*	**XDSFP-MC** 151220	**XDSFN-MC** 151221	**XSDFCC2006** 102052 122416*	**XSDFCRV2006** 151671 151673*	**XSFDR12-X1-B** 155543	
XMCTB-V-MC 151218 152661*	**XMCTB-C-MC** 151219 152662*	**XDSFP-MC** 151220	**XDSFN-MC** 151221	**XSDFCC2004** 284183 122231*	**XSDFCRV2004** 151670 151672*	**XSFDR10-X1-B** 155542	
XMCTB-V-MC 151218 152661*	**XMCTB-C-MC** 151219 152662*	**XDSFP-MC** 151220	**XDSFN-MC** 151221	**XSDFCC2006** 102052 122416*	**XSDFCRV2006** 151671 151673*	**XSFDR12-X1-B** 155543	

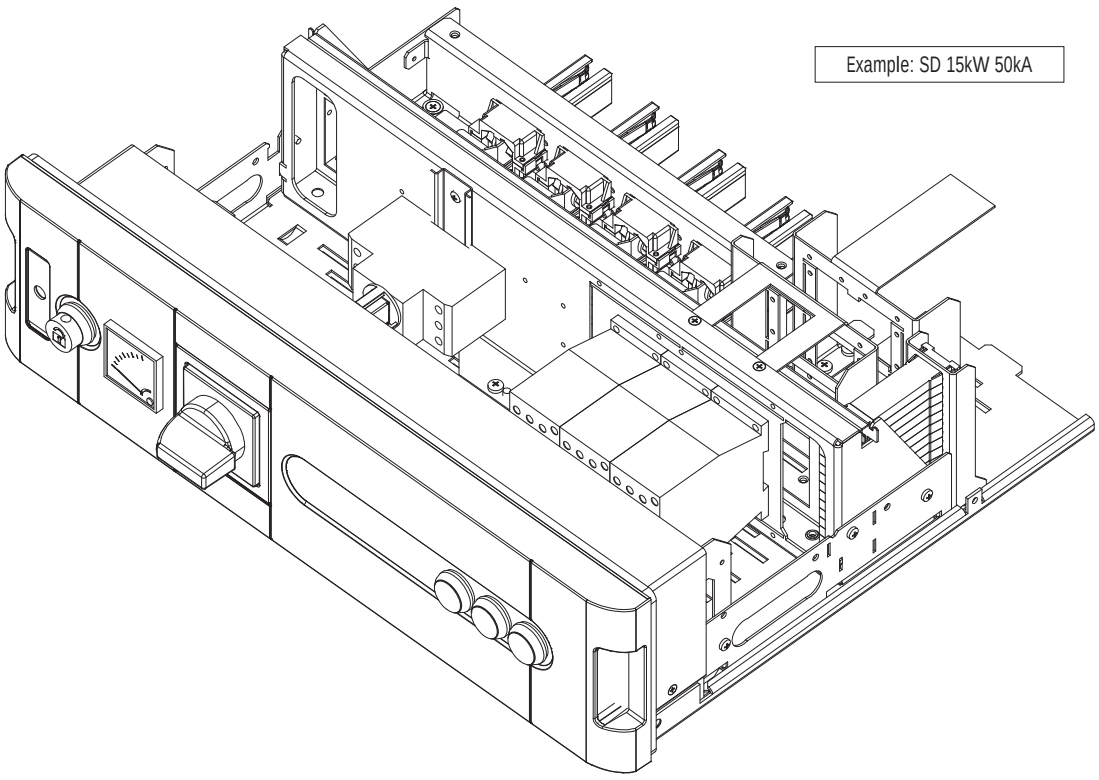
Note * Finish in special RAL colour

Notes

Drawer Configuration

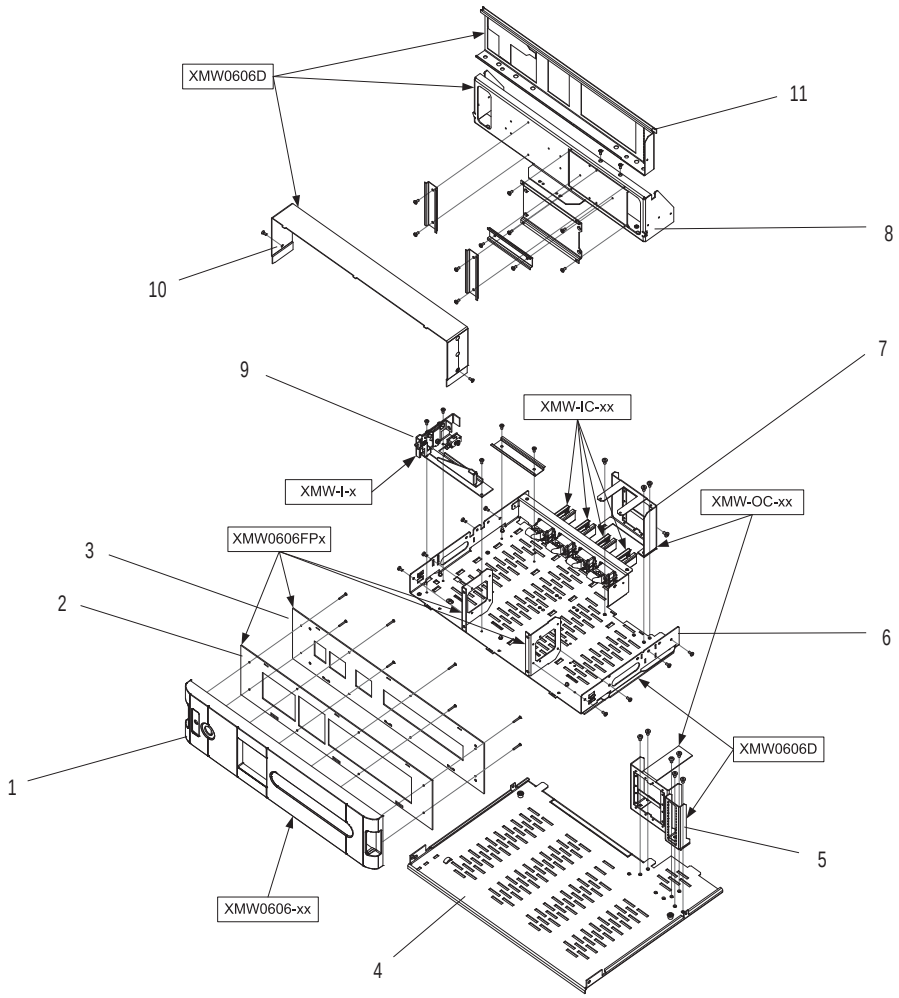
Configuration . . . . . Page xx
Individual Parts . . . . . Page xx
Accessories . . . . . Page xx

MCC_Drawer_Konfig_1



Drawer Configuration
Notes on the Features

MCC_Drawer_Merkm_1



1 Front panel - PVC
2 Sealing
3 Front panel - steel
4 Shelf-board
5 Holder for auxiliary current contacts/ main outgoing contacts
6 Base
7 Holder for outgoing main current contacts (base)
8 Mounting plate
9 Mechanical lock
10 Position indicator (marked in colour)
11 Mounting plate

Features

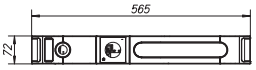
- Each module can be individually equipped, depending on whether you need a direct starter module or a reverse starter combination. Setup and dimensioning need to be done according to the instructions in the AWA and BA instruction manuals.
- A detailed circuit/wiring diagram provides information on the correct wiring of the switchgear in the module (find it on the page of business partner).
- The front covers of each module come with numerous holes and cut-outs prepared for individual integration of all the controlgear necessary for each module.
- Main current contacting of the modules happens via plug-type contact terminals suitable for the respective rating which are directly mounted on the shelf-board.
- Contacting of control cables happens via a plug-type terminal block reaching directly into the cable connection area, from where it is extremly easy to do the control wiring.
- Suitable terminal labels for auxiliary contacts = “Weidmüller Dekafix 5 mm”.

MCC - Drawer Configuration

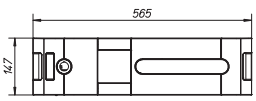
Overview of the different drawers listed according to module heights and performance (amperage)

IP31: Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage	**IP55:** Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage
75	FE3P	16-32A	16-32A	75	FE3P	16-25A	16-25A
	DOL	3-15kW	0.06-15kW		DOL	3-11kW	0.06-11kW
	FR	3-15kW	0.06-15kW		FR	3-11kW	0.06-11kW
150	FE3P	20-200A	20-200A	150	FE3P	20-160A	20-160A
	FC3P	20-100A	20-100A		FC3P	20-80A	20-80A
	DOL	18.5-45kW	18.5-45kW		DOL	15-37kW	15-37kW
	FR	18.5-22kW	-		FR	15-18.5kW	-
	SD	5.5-15kW	7.5-15kW		SD	5.5-11kW	7.5-11kW
225	FE4P	20-200A	20-200A	225	FE4P	20-160A	20-160A
	FC3P	125A	125A		FC3P	100-125A	100-125A
	FC4P	20-125A	20-125A		FC4P	20-125A	20-125A
	DOL	55-75kW	55-75kW		DOL	45-55kW	45-55kW
	FR	30-75kW	18.5-75kW		FR	22-55kW	15-55kW
	SD	18.5-22kW	-		SD	15-18.5kW	-
300	FE3P	250A	250A	300	FE3P	200A	200A
	FE4P	250A	250A		FE4P	200A	200A
	FC3P	160-200A	160-200A		FC3P	160A	160A
	DOL	90kW	90kW		DOL	75kW	75kW
	FR	-	-		FR	-	-
	SD	37-75kW	18.5-75kW		SD	22-55kW	15-55kW
450	FE3P	400A	400A	450	FE3P	400A	400A
	FE4P	400A	400A		FE4P	400A	400A
	FC3P	250-300A	250-300A		FC3P	250A	250A
	FC4P	160-300A	160-300A		FC4P	160-250A	160-250A
	DOL	110-160kW	110-160kW		DOL	90-110kW	90-110kW
	FR	90-110kW	90-110kW		FR	75-90kW	75-90kW
As of a height of 600 mm, it is only possible to create a set-up with fixed modules				As of a height of 600 mm. it is only possible to create a set-up with fixed modules			
600	FE3P	630A	630A	600	FE3P	630A	630A
	FE4P	630A	630A		FE4P	630A	630A
	FC3P	400-630A	400-630A		FC3P	400A	400A
	FC4P	400-630A	400-630A		FC4P	400A	400A
	DOL	200-250kW	200-250kW		DOL	132-200kW	132-200kW
	FR	132-160kW	132-160kW		FR	110kW	110kW
	SD	90-250kW	90-250kW		SD	75-200kW	75-200kW
750	FR	200-250kW	200-250kW	750	FR	132-200kW	132-200kW
	SD	-	250kW		SD	250kW	250kW

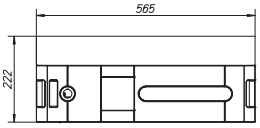
Heights and finishes of the modular drawer technology:
Configurable as energy outgoer, direct starter, reverse starter, star-delta starter



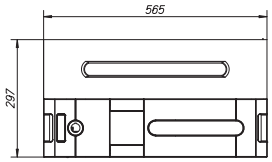
Module height = 75 mm



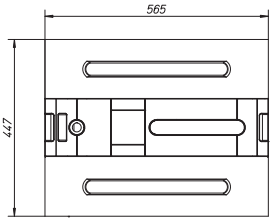
Module height = 150 mm



Module height = 225 mm



Module height = 300 mm

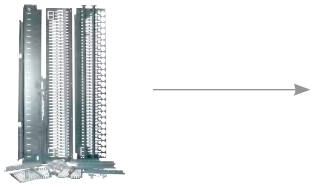


Module height = 450 mm

xE_MCC_2_

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Individual Parts for MCCs: Fitting Kit for Motor Control Centers in Withdrawable Design



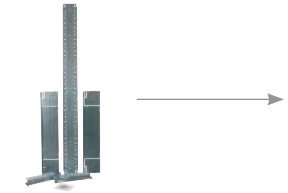
VT01511

Suitable for: Cable rail area at the rear, outgoing cable area on the right, in IP31 and IP55, for section widths of 1000/1200 mm

Consisting of: Left and right multi-functional side mounting wall, all profiles necessary for fixing the material, incl. all partitions, all screw material and all cable grommets (KT21 and KT42)

Section depth mm	Fitting kits for Motor Control Centers in withdrawable design module width 600 mm Article No. per unit	Fitting kits for Motor Control Centers in withdrawable design module width 800 mm Article No. per unit	
600	**XSMFDB0606-MC** 151211	-	
800	-	**XSMFDB0608-MC** 151212	

Individual Parts for MCCs: Partition to Cable Connection Area



VT01611

Consisting of: Mounting plate for terminal mounting, 2 sheet-metal partition panels, 2 mounting profiles, incl. all screw material

Width mm	Partition to cable connection area Module width 600 mm Article No. per unit unit = 1 set	Partition to cable connection area Module width 800 mm Article No. per unit unit = 1 set	
1000	**XPFCB04-MC** 151213	-	
1200	-	**XPFCB06-MC** 151214	

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Individual Parts for MCCs: Shutter between Switchgear Area and Dropper Bar, from 35 to 80 kA



VT02911

Consisting of: Sheet-metal partition in 5 parts, incl. plastic parts for contact partition, screw material included

	Shutter 35 kA, 50 kA and 65 kA Article No. per unit unit = 1 set	Shutter 80 kA Article No. per unit unit = 1 set	
	XPFDM-65-MC 151215	**XPFDM-80-MC** 151216	

Individual Parts for MCCs: Lock Cover for Dropper Bar



VT03411

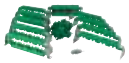
Consisting of: PVC partition and lock spring, screw material included

	Lock cover for dropper bar Article No. per unit unit = 25 pcs.	
	XPFDM-A-MC 151217	

. . . also for use in the Main Bus Bar Top (BBT) system

Individual Parts for MCCs: Set of Dropper Bar Supports 1000A

Consisting of: Busbar supports - full and half versions, support for end rail included. Fillers for closing the second rail track in the support, all screws and fixing brackets included.

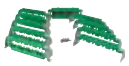


VT02811

35 kA 1x40x10	50 kA 1x40x10	65 kA 1x40x10	80 kA 1x40x10	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
XDSF10-35-MC 151200	**XDSF10-50-MC** 151201	**XDSF10-65-MC** 151202	**XDSF10-80-MC** 151203	

Individual Parts for MCCs: Set of Dropper Bar Supports 2000A

Consisting of: Busbar supports - full and half versions, support for end rail included. Fillers for closing the second rail track in the support, all screws and fixing brackets included.

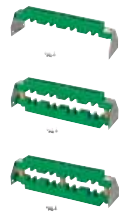


VT02711

35 kA 2x40x10	50 kA 2x40x10	65 kA 2x40x10	80 kA 2x40x10	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
XDSF20-35-MC 151204	**XDSF20-50-MC** 151205	**XDSF20-65-MC** 151206	**XDSF20-80-MC** 151207	

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Individual Parts for MCCs: Individual Dropper Bar Supports



VT03211, VT03011, VT03111

Consisting of: Busbar supports in three different versions (half version, full version suitable for up to 65 kA, full version with extra enhancement for up to 80 kA), all supports come with fixing brackets and screw material

Half version Article No. per unit unit = 1 set	Full version Article No. per unit unit = 1 set	Full version for 80 kA Article No. per unit unit = 1 set
XDSF-H-E-MC 151208	**XDSF-F-65-E-MC** 151209	**XDSF-F-80-E-MC** 151210

Individual Parts for MCCs: Basic Drawer Module



VT04211

Consisting of: Basic module, shelf-board, mounting plate for PKZ/NZM, mounting plate for auxiliary current contacts, shielding plate in PVC, signalling line/position indicator, incl. all screw and fixing material
Height 600+750mm = fixed design module, front panels need to be ordered separately for all modules (not included in the scope of delivery for drawers, front will be delivered as module door).

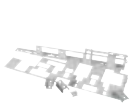
Height 75 mm Article No. per unit unit = 1 set	Height 150 mm Article No. per unit unit = 1 set	Height 225 mm Article No. per unit unit = 1 set	Height 300 mm Article No. per unit unit = 1 set	Height 450 mm Article No. per unit unit = 1 set	Height 600 mm für NZM Article No. per unit unit = 1 set	Height 750 mm für NZM Article No. per unit unit = 1 set
XMW0306D 155242	**XMW0606D** 155243	**XMW0906D** 155244	**XMW1206D** 155245	**XMW1806D** 155246	**XMW2406F** 158538	**XMW3006F** 158539

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Expansion Sets for Smart Wire-DT

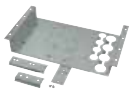
Consisting of: Different DIN rails and mounting brackets, adjusted to the drawer height, incl. all screws


VT00113


VT00213


VT00413


VT00513


VT00313

Expansion set H = 75 mm	Expansion set H = 150 mm	Expansion set H = 225 mm	Expansion set H = 300 mm	Expansion set H = 450 mm	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
XMW0306SWD 169875	**XMW0606SWD** 169876	**XMW0906SWD** 169877	**XMW1206SWD** 169878	**XMW1806SWD** 169879	

Individual Parts for MCCs: Expansion Set for Soft Starters

Consisting of: Different DIN rails incl. screws


VT09313


VT09413


VT09513

Expansion set H = 75 mm	Expansion set H = 150 mm	Expansion set H = 225 mm			
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set			
XMW0306SS 172204	**XMW0306SS** 172205	**XMW0306SS** 172206			

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Front Panels for Drawers

In total for 7 RMQ22 units, a rotary drive for the main switch, a 22.5 mm hole for the push button of the mechanical lock.
Consisting of: Plastic front panel, sealing, incl. screw material



VT02111

	Height 75 mm Front panel blind Article No. per unit unit = 1 set	Height 75 mm Front panel with 2 holes of 22.5 mm Article No. per unit unit = 1 set	Height 150 mm Front panel for PKZ+NZM Article No. per unit unit = 1 set	Height 150 mm Front panel for PKZ with 2 holes of 22.5 mm Article No. per unit unit = 1 set	Height 150 mm Front panel for PKZ with cut-out for Simocode Article No. per unit unit = 1 set	Height 150 mm Front panel for NZM with 2 holes of 22.5 mm Article No. per unit unit = 1 set	Height 150 mm Front panel for NZM with cut-out for Simocode Article No. per unit unit = 1 set	
	XMW0306-FB 152640	**XMW0306-2BC** 152641	**XMW0606-FB** 152643	**XMW0606-2BC** 152644	**XMW0606-9030** 152645	**XMW0606-2BC-NZM** 152647	**XMW0606-9030-NZM** 152648	

Individual Parts for MCCs: Opening metal front plates for drawers, version PKZ

Consisting of: Front plate incl. locks, hinges, screws and handle
A factory-applied foam sealing is in place for IP55 applications. Pre-punched holes of 22.5 mm diameter for a total of 7x RMQ Titan command and signalling devices. One opening for the push-button of the mechanical lock. Drilled holes/cavities for the door-coupling rotary handle are prepared as well. Pre-punched holes that you do not wish to use must be closed with blind plugs. See MCC accessories.



VT08613



VT09813



VT10013

	Height 75 mm Article No. per unit unit = 1 set	Height 150 mm Article No. per unit unit = 1 set	Height 225 mm Article No. per unit unit = 1 set	
Version IP31 ventilated	**XMW0306CDV** 172190 172334*	**XMW0606CDV** 172191 172335*	**XMW0906CDV** 172193 172319*	
Version IP55 closed	**XMW0306CDC** 172182 172326*	**XMW0606CDC** 172183 172327*	**XMW0906CDC** 172185 172329*	

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Individual Parts for MCCs: Opening Metal Fronts for Drawers, for NZM

Consisting of: Front plate incl. locks, hinges, screws and handles
A factory-applied foam sealing is used to meet sealing requirements for IP55. Pre-punched holes of 22.5 mm diameter for 7x RMQ Titan command and signalling devices. An opening for the push-button of the mechanical locking system. Openings/cavities for the door-coupling rotary handle are prepared as well. Pre-punched holes you do not wish to use must be closed with blind plugs. See MCC accessories.


VT09913


VT10113


VT10213


VT10313


VT10413

	Height 150 mm Article No. per unit unit = 1 set	Height 225 mm Article No. per unit unit = 1 set	Height 300 mm Article No. per unit unit = 1 set	Height 450 mm hole for the rotary handle of the main switch in lower third Article No. per unit unit = 1 set	Height 450 mm hole for the rotary handle of the main switch at the centre Article No. per unit unit = 1 set
Version IP31 ventilated	**XMW0606CDV-NZM** 172192 172318*	**XMW0906CDV-NZM** 172194 172320*	**XMW1206CDV-NZM** 172195 172321*	**XMW1806CDV-NZM-0** 172196 172322*	**XMW1806CDV-NZM-190** 172197 172323*
Version IP55 closed	**XMW0606CDC-NZM** 172184 172328*	**XMW0906CDC-NZM** 172186 172330*	**XMW1206CDC-NZM** 172187 172331*	**XMW1806CDC-NZM-0** 172188 172332*	**XMW1806CDC-NZM-190** 172189 172333*

Individual Parts for MCCs: Module Doors for Fixed Design Modules


wa_vt63113

Consisting of: Module door, hinges, locking system, incl. screw material.
All doors come with the holes of a rotary door coupling handle, the holes for control lamps or push-buttons are marked so they can easily be drilled whenever required.

	Height 600 mm suitable for the lowest position Article No. per unit unit = 1 set	Height 750 mm suitable for the lowest position Article No. per unit unit = 1 set	Height 600 mm suitable for the center position Article No. per unit unit = 1 set	Height 750 mm suitable for the center position Article No. per unit unit = 1 set
Version IP31	**XMW2406CDV-B** 158570 158578*	**XMW3006CDV-B** 158572 158580*	**XMW2406CDV-M** 158571 158579*	**XMW3006CDV-M** 158573 158581*
Version IP55	**XMW2406CDC-B** 158574 158582*	**XMW3006CDC-B** 158576 158584*	**XMW2406CDC-M** 158575 158583*	**XMW3006CDC-M** 158577 158585*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Individual Parts for MCCs: Steel Front Panels (Substructure for Plastic Front Panel)

Consisting of: Steel front panel, incl. screw material, the IP55 steel front panel comes with a foamed sealing



VT03911

	Height 75 mm Front panel Article No. per unit unit = 1 set	Height 150 mm Front panel Article No. per unit unit = 1 set	Height 225 mm Front panel Article No. per unit unit = 1 set	Height 300 mm Front panel Article No. per unit unit = 1 set	Height 450 mm Front panel Article No. per unit unit = 1 set	
Version IP31	**XMW0306FP** 152686	**XMW0606FP** 152687	**XMW0906FP** 152688	**XMW1206FP** 152689	**XMW1806FP** 152690	
Version IP55	**XMW0306FPC** 155281	**XMW0606FPC** 155282	**XMW0906FPC** 155283	**XMW1206FPC** 155284	**XMW1806FPC** 155285	

Individual Parts for MCCs: Mounting Plates for the Drawer

Consisting of: Mounting plate for NZM/PKZ, mounting plate for auxiliary current contacts, mounting plate for contactor, incl. screw material



VT02011

	Height 75 mm Mounting plate Article No. per unit unit = 1 set	Height 150 mm Mounting plate Article No. per unit unit = 1 set	Height 225 mm Mounting plate Article No. per unit unit = 1 set	Height 300 mm Mounting plate Article No. per unit unit = 1 set	Height 450 mm Mounting plate Article No. per unit unit = 1 set	Height 600 mm Mounting plate Article No. per unit unit = 1 set	Height 750 mm Mounting plate Article No. per unit unit = 1 set	
	XMW0306M 152663	**XMW0606M** 152664	**XMW0906M** 152665	**XMW1206M** 152666	**XMW1806M** 152667	-	-	

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Empty-space Cover

Consisting of: Empty-space cover, fixing bracket, shelf-board, incl. screw material



VT08406

	Height 75 mm Article No. per unit unit = 1 set	Height 150 mm Article No. per unit unit = 1 set	Height 225 mm Article No. per unit unit = 1 set	Height 300 mm Article No. per unit unit = 1 set	Height 450 mm Article No. per unit unit = 1 set
Version IP31 Front panel ventilated	**XMW0306E-V** 152670	**XMW0606E-V** 152671	**XMW0906E-V** 152672	**XMW1206E-V** 152673	**XMW1806E-V** 152674
Version IP55 Front panel closed	**XMW0306E-C** 152678	**XMW0606E-C** 152679	**XMW0906E-C** 152680	**XMW1206E-C** 152681	**XMW1806E-C** 152682

Individual Parts for MCCs: Shelf-board

Consisting of: Shelf-board, incl. screw material



VT01811

	Shelf-board IP 2x Article No. per unit unit = 1 set	Shelf-board for fixed design module IP 2x Article No. per unit unit = 1 set	Shelf-board for modules with H = 450 mm IP 2x Article No. per unit unit = 1 set
	XMW-DP 152669	**XMW-DP-F** 168125	**XMW-DP-18** 168124

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Mechanical Lock

Consisting of: Push-button, micro switch, mechanical parts, Bowden cable (with NZM3 / H = 450 mm), incl. screw material



VT02311

For drawer height 75 mm for PKZM0, PKE	For drawer height 150-225 mm for PKZM0, PKZM4, PKE	For drawer height 150, 225, 300 mm for NZM1	For drawer height 150, 225, 300 mm for NZM2	For drawer height 450 mm for NZM3	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
XMW-I-1 155247	**XMW-I-2** 155248	**XMW-I-5** 168929	**XMW-I-6** 168930	**XMW-I-3** 155249	

Individual Parts for MCCs: Bowden Cable

Consisting of: Bowden cable



VT03811

for NZM 600 mm		
Article No. per unit unit = 1 pc.		
XMW-I-BD600 155545		

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Unlocking device

Unlocking device for modules with height 225, 300 and 450 mm.
Consisting of: uplock hook/spring, incl. screws



VT09213

	Unlocking device Article No. per unit unit = 1 set	
	XMW-L 172177	

Individual Parts for MCCs: Push-button

Consisting of: Lockable push-button (RMQ-Titan)



VT05211

	Push-button Article No. per unit unit = 1 pc.	
	M22-DLVHS-W-MCC 153567	

Individual Parts for MCCs: Micro Switch

Consisting of: Micro switch (contacting via a 6.3 mm flat-type connector), incl. screw material



VT04711

	Micro switch Article No. per unit unit = 1 pc.	
	XMW-MS 152668	

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Incoming Main Current Contacts, 3 or 4 poles



Consisting of: Drawer contacts incl. fixing screws for outgoing cable, insulating cups, incl. extra fixing brackets for 630 A and higher

VT03311

3 poles up to 100 A	3 poles up to 315 A	3 poles up to 630 A incl. fixing brackets	4 poles up to 100 A	4 poles up to 315 A	4 poles up to 630 A incl. fixing brackets
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set
XMW-IC-100-3 151354	**XMW-IC-315-3** 151355	**XMW-IC-630-3** 151356	**XMW-IC-100-4** 151357	**XMW-IC-315-4** 151358	**XMW-IC-630-4** 151359

Individual Parts for MCCs: Incoming Main Current Contacts, 3 or 4 poles (with longer copper-plate)



Consisting of: Drawer contacts incl. fixing screws for outgoing cable, insulating cups, incl. extra fixing brackets for 630 A and higher. Execution with long copper-plate, useable for cables with bigger cross-section.

VT03311

3 poles up to 315 A	3 poles up to 630 A	4 poles up to 315 A	4 poles up to 630 A
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set
XMW-ICL-315-3 177616	**XMW-ICL-630-3** 155401	**XMW-ICL-315-4** 177617	**XMW-ICL-630-4** 155402

Individual Parts for MCCs: Encoding Pin Set



It is used for clear encoding/assignment of the individual drawers to their correct shelf board. So it is impossible to put a drawer back in the wrong order.
There are 10 encoding possibilities available.
Consisting of: 5 pcs. of metal pins, incl. screws

VT09113

Assignment Pin Set
Article No. per unit unit = 5 pcs.
XMW-CP 172198

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Outgoing Main Current Contacts 3, 4 or 6 poles

Consisting of: Jack and connector, incl. 2 fixing brackets and screw material



VT03511

	Up to 40 A 2.5-6 mm² Article No. per unit unit = 1 set	Up to 40 A 6-10 mm² Article No. per unit unit = 1 set	Up to 100 A 10-25 mm² Article No. per unit unit = 1 set	Up to 100 A 16-35 mm² Article No. per unit unit = 1 set		
3+4-poles	**XMW-OC-40-2,5-6** 152649	**XMW-OC-40-6-10** 152650	**XMW-OC-100-10-25** 152651	**XMW-OC-100-16-35** 152652		
	Up to 200 A 25-40 mm² Article No. per unit unit = 1 set	Up to 200 A 40-70 mm² Article No. per unit unit = 1 set	Up to 350 A H = 300 mm Article No. per unit unit = 1 set	Up to 350 A H = 450 mm Article No. per unit unit = 1 set	Up to 650 A Article No. per unit unit = 1 set	
3 poles	**XMW-OC-200-25-40-3** 152653	**XMW-OC-200-40-70-3** 152654	**XMW-OC-350-M10-3-300MM** 155261	**XMW-OC-350-M10-3-450MM** 155262	**XMW-OC-650-M12-3** 155263	
	Up to 200 A 25-40 mm² Article No. per unit unit = 1 set	Up to 200 A 40-70 mm² Article No. per unit unit = 1 set	Up to 350 A H = 300 mm Article No. per unit unit = 1 set	Up to 350 A H = 450 mm Article No. per unit unit = 1 set	Up to 650 A Article No. per unit unit = 1 set	
4 poles	**XMW-OC-200-25-40-4** 152655	**XMW-OC-200-40-70-4** 152656	**XMW-OC-350-M10-4-300MM** 155264	**XMW-OC-350-M10-4-450MM** 155265	**XMW-OC-650-M12-4** 155266	
	Up to 40 A 2.5-6 mm² Article No. per unit unit = 1 set	Up to 40 A 6-10 mm² Article No. per unit unit = 1 set	Up to 100 A 10-25 mm² Article No. per unit unit = 1 set	Up to 100 A 16-35 mm² Article No. per unit unit = 1 set	Up to 200 A 25-40 mm² Article No. per unit unit = 1 set	Up to 200 A 40-70 mm² Article No. per unit unit = 1 set
6 poles	**XMW-OC-40-2,5-6-6** 155267	**XMW-OC-40-6-10-6** 155268	**XMW-OC-100-10-25-6** 155269	**XMW-OC-100-16-35-6** 155270	**XMW-OC-200-25-40-6** 155271	**XMW-OC-200-40-70-6** 155272

Suitable for Drawer with height 150 mm to 300 mm

	Up to 40 A 2.5-6 mm² Article No. per unit unit = 1 set	Up to 40 A 6-10 mm² Article No. per unit unit = 1 set	Up to 100 A 10-25 mm² Article No. per unit unit = 1 set	
3+4 poles	**-**	**XMW-OC-40-6-10-150-300MM** 167560	**XMW-OC-100-10-25-150-300MM** 167561	
6 poles	**XMW-OC-40-2,5-6 150-300MM** 167562	**XMW-OC-40-6-10-6-150-300MM** 167563	**-**	

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Mounting Brackets for Outgoing Main Current Contacts

Consisting of: 2 support brackets (1x for drawer, 1x for shelf-board), incl. screw material



VT04511

Up to 40 A	Up to 200 A	Up to 350 A H = 300 mm	350 and 650 A H = 450 mm	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
XMW-OC-M-1 152659	**XMW-OC-M-2** 152660	**XMW-OC-M-3** 155273	**XMW-OC-M-4** 155274	

Individual Parts for MCCs: Auxiliary Current Contacts

Suitable terminal label: Weidmüller Dekafix 5 mm



wa_vt11814



wa_vt11714



VT03113



VT02913



VT03013

Consisting of: Auxiliary current jack and connector, Weidmüller double plug-type terminal 1.5 mm^2 + cover plate, cable connection DR. H05V-K YF 0,75 mm^2 orange, length = 400 mm, I_{max} = 12 A

2 poles connector	2 poles jack	2 poles no terminal labelling	12 poles terminal labelling on both sides	24 poles terminal labelling on both sides	
Article No. per unit unit = 100 pcs.	Article No. per unit VPE = 100 Stk.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	
XMW-AC-1-2P-F 177253	**XMW-AC-1-2P-M** 177254	**XMW-AC-1-2** 171641	**XMW-AC-1-12** 171642	**XMW-AC-1-24** 171643	

Individual Parts for MCCs: Fixing Clip for Auxiliary Current Contacts, Contact Grease

Consisting of: 2 small clip plates



VT05011

Fixing clip	Contact grease cartridge content 800g	
Article No. per unit unit = 50 pcs.	Article No. per unit unit = 1 pc.	
XMW-AC-1-S 155541	**XACG800** 171667	

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Auxiliary Current Relief Rails - Horizontal

Rated voltage 400/415 V AC

Heigth mm	Depth mm	Width mm	Aux. current relief rails horizontal 2-pole Article No. per unit unit = 1 pc.	Aux. current relief rails horizontal 4-pole Article No. per unit unit = 1 pc.	
all	all	400	**+MD-HI04H-632** 043698	**+MD-HI04H-634** 044041	
		600	**+MD-HI06H-632** 043715	**+MD-HI06H-634** 045324	
		800	**+MD-HI08H-632** 043740	**+MD-HI08H-634** 045384	
		1000	**+MD-HI10H-632** 044018	**+MD-HI10H-634** 045418	
		1200	**+MD-HI12H-632** 070064	**+MD-HI12H-634** 070065	
		1400	**+MD-HI14H-632** 135551	**+MD-HI14H-634** 135552	

Individual Parts for MCCs: Auxiliary Current Relief Rails - Vertical

Rated voltage 400/415 V AC

Heigth mm	Depth mm	Width mm	Aux. current relief rails vertical 2-pole Article No. per unit unit = 1 pc.	Aux. current relief rails vertical 4-pole Article No. per unit unit = 1 pc.	
all	all	all	**+MD-HI19V-322** 043651	**+MD-HI19V-324** 043675	

. . . also for use in the Main Bus Bar Top (BBT) system

Notes Connection to the horizontal auxiliary current rail is included in the scope of delivery. The auxiliary current connector of the drawers is designed for a max. of 10 A.

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Individual Parts for MCCs: Connecting Plug for Auxiliary Current Relief Rails

	Connecting plug for auxiliary current relief rails 63 A Article No. per unit unit = 1 pc.	
	+MD-HI-S631 045592	

Individual Parts for MCCs: Auxiliary Current Connection

Section-Section, 2-pole, for 4-pole rails please order 2x

	Auxiliary current connection Article No. per unit unit = 1 pc.	
	+MD-HI-VB632 093519	

Individual Parts for MCCs: Edge Protective Strip

For steel sheet thickness up to max. 1.6 mm



VT12614

	Edge protective strip KG016 Article No. per unit unit = 10 m	
	XAK16 172203	

. . . also for use in the Main Bus Bar Top (BBT) system

Individual Parts for MCCs: Set of Cover Strips

Consisting of: 2 cover strips, 4 fixing brackets, incl. screw material
For IP31= ventilated, IP55 closed



VT02211

	Top and bottom strip IP31 Article No. per unit unit = 1 set	Top and bottom strip IP55 Article No. per unit unit = 1 set	
	XMCTB-V-MC 151218	**XMCTB-C-MC** 151219	

Individual Parts for MCCs: Fixing Set for the Earthing Bar in the Cable Connection Area

Consisting of: 4 bolts M10, 4 hexagon nuts M10,
4 spring washers M10



VT03711

	Fixing set for earthing bar Article No. per unit unit = 1 set	
	XDSFP-MC 151220	

. . . also for use in the Main Bus Bar Top (BBT) system

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Individual Parts for MCCs: Fixing Set for the Neutral Conductor Bar in the Cable Connection Area

Consisting of: 4 threaded plates M10, 4 threaded pins M10x30, 4 insulators H = 40mm



VT03611



VT00912

	Fixing set for neutral conductor bar Article No. per unit unit = 1 set	Isolator M10 H = 50 mm Article No. per unit unit = 1 set	Isolator M12 H = 50 mm Article No. per unit unit = 1 set	
	XDSFN-MC 151221	**XNNIP-50-M10** 179779	**XNNIP-50-M12** 167559	

Individual Parts for MCCs: Label Carriers for MCC Modules

Suitable for lamps/push-buttons of the RMQ series Ø 22.5 mm



VT01012

	Label carriers Article No. per unit unit = 10 pcs.	
	XMW-M22-LPA 158617	

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Terminals



wa_sg02913

Including label tags for terminals of type U, V, W - X, Y, Z - L1, L2, L3 - T1, T2, T3 - PE, N, PEN.
External connection for round or sector-shaped conductors, other end for a flat Cu strip (Cu bar).
Suitable for copper and aluminium conductors.
Types ...BR for round or sector-shaped cable connection on both ends.

	1 pole Article No. per unit unit = 1 set	3 poles Article No. per unit unit = 1 set	4 poles Article No. per unit unit = 1 set	5 poles Article No. per unit unit = 1 set	1 pole not suitable for Cu strip or Cu bar Article No. per unit unit = 1 set
I_e = 160 A	**K95/1N** 010773	**K95/3** 025017	**K95/4** 027390	**K95/5** 029763	**K95/1N/BR** 012336
I_e = 250 A	**K150/1** 089085	**K150/3** 032136	**K150/4** 034509	**K150/5** 036882	**K150/1/BR** 014709
I_e = 400 A	**K240/1** 091458	**K240/3** 039255	**K240/4** 041628	**K240/5** 044001	**K240/1/BR** 017082
I_e = 630 A	**K2X240/1** 093831	**K2X240/3** 046374	**K2X240/4** 048747	**K2X240/5** 051120	**K2X240/1/BR** 019455

Accessories: Conversion Kits for Connection Terminals (for one conductor)



VT10408

Can be used for one conductor.
For conversion from a flat strip to a cable connection.

	For K95/... I_e = 160 A Article No. per unit unit = 1 set	For K150/... I_e = 250 A Article No. per unit unit = 1 set	For K240/... I_e = 400 A Article No. per unit unit = 1 set	For K2X240/... I_e = 630 A Article No. per unit unit = 1 set
	D-K95 020277	**D-K150** 022650	**D-K240** 025023	**D-2X240** 027396

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Conversion Kits for Connection Terminals (for one Auxiliary Conductor)

Can be used for one auxiliary conductor.
M4 screw with thrust washer.
Cross section of connections 0.5 to 2.5 mm^2.



VT10408

For K95/... and K150/...	For K240/...	For K2X240/...	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
HK-K95-K150 001916	**HK-K240** 098585	**HK-K2X240** 010785	

Accessories: Terminal Covers - 5 poles

Incl. warning sign.
According to DIN (lightning flash symbol).
By splitting the block, you will get terminal covers for 3 or 4 poles.



wa_vt23613

For K95/...	For K150/...	For K240/...	For K2X240/...	
Article No. per unit unit = 4 pcs.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	
H-K95/5 036888	**H-K150/5** 039261	**H-K240/5** 041634	**H-K2X240/5** 044007	

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Cable Ducts - screw-fixed



VT08309, VT08709

Delivery length: 1500 mm

Width = 34 mm Height = 37 mm	Width = 34 mm Height = 63 mm	Width = 73 mm Height = 63 mm	
Article No. per unit unit = 60 pcs.	Article No. per unit unit = 40 pcs.	Article No. per unit unit = 20 pcs.	
KL25/35 012531	**KL25/60** 017277	**KL60/60** 029142	

Accessories: Cable Ducts - self-adhesive



VT08309, VT08709

Delivery length: 650 mm.
Ambient temperature max. +55°C.

Width = 34 mm Height = 37 mm		
Article No. per unit unit = 50 pcs.		
KL25/35K 014904		

Accessories: Cover for Cable Duct



VT08709

Delivery length: 1500 mm
Delivered as a spare part.

Width = 34 mm Height = 14 mm	Width = 73 mm Height = 14 mm	
Article No. per unit unit = 60 pcs.	Article No. per unit unit = 40 pcs.	
KD25 019649	**KD60** 024395	

. . . also for use in the Main Bus Bar Top (BBT) system

Accessories: Universal Conductor Connection Terminal 10 mm

With integrated retention spring, captive terminal screw.
For 10 mm thick flat rails.



VT13806

16 mm²
I_e = 180 A

Article No.
per unit
unit = 100 pcs.

AKU16/10
107191



VT13706

35 mm²
I_e = 270 A

Article No.
per unit
unit = 50 pcs.

AKU35/10
107192



VT13606

70 mm²
I_e = 400 A
also for double T-profile

Article No.
per unit
unit = 25 pcs.

AKU70/10
107193



VT13506

120 mm²
I_e = 440 A
also for double T-profile

Article No.
per unit
unit = 25 pcs.

AKU120/10
107194

Accessories: Cable Grommets



VT33710

For a wall thickness from 2 to 8 mm
RAL 7035
Soft PVC, cadmium and lead-free
IP66, with cable insertion from the bottom

PG21
Drill hole diameter 29.5 mm
Outer cable diameter 12.5-20 mm

Article No.
per unit
unit = 1 pc.

KT21
026777

PG42
Drill hole diameter 55 mm
Outer cable diameter 18-47 mm

Article No.
per unit
unit = 1 pc.

KT42
038642

Accessories: Blind Plug

RAL 7035
IP67
For diameter 22.5 mm

PG16

Article No.
per unit
unit = 50 pcs.

M22-M
216388

. . . also for use in the Main Bus Bar Top (BBT) system

Accessories: Label Tags



VT04811

kW	0,06	0,09	0,12	0,18	0,25	0,37	0,55
	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
Label tags DOL	XANP-MC-DOL0,06KW 155291	XANP-MC-DOL0,09KW 155292	XANP-MC-DOL0,12KW 155293	XANP-MC-DOL0,18KW 155294	XANP-MC-DOL0,25KW 155295	XANP-MC-DOL0,37KW 155296	XANP-MC-DOL0,55KW 155297
kW	0,06	0,09	0,12	0,18	0,25	0,37	0,55
	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
Label tags FR	XANP-MC-FR0,06KW 155320	XANP-MC-FR0,09KW 155321	XANP-MC-FR0,12KW 155322	XANP-MC-FR0,18KW 155323	XANP-MC-FR0,25KW 155324	XANP-MC-FR0,37KW 155325	XANP-MC-FR0,55KW 155326
kW	5,5	7,5	11	15	18,5	22	30
	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
Label tags SD	XANP-MC-SD5,5KW 155349	XANP-MC-SD7,5KW 155350	XANP-MC-SD11KW 155351	XANP-MC-SD15KW 155352	XANP-MC-SD18,5KW 155353	XANP-MC-SD22KW 155354	XANP-MC-SD30KW 155355
A	20	25	32	40	50	63	80
	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
Label tags FE	XANP-MC-FE20A 155366	XANP-MC-FE25A 155367	XANP-MC-FE32A 155368	XANP-MC-FE40A 155369	XANP-MC-FE50A 155370	XANP-MC-FE63A 155371	XANP-MC-FE80A 155372
A	20	25	32	40	50	63	80
	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
Label tags FC	XANP-MC-FC20A 155383	XANP-MC-FC25A 155384	XANP-MC-FC32A 155385	XANP-MC-FC40A 155386	XANP-MC-FC50A 155387	XANP-MC-FC63A 155388	XANP-MC-FC80A 155389
	Article No. per unit unit = 10 pcs.						
Label tag - blank	XANP-MC-EMPTY 155400						

. . . also for use in the Main Bus Bar Top (BBT) system



VT04811

0,75	1,1	1,5	2,2	3	4	5,5	7,5
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-DOL0,75KW 155298	**XANP-MC-DOL1,1KW** 155299	**XANP-MC-DOL1,5KW** 155300	**XANP-MC-DOL2,2KW** 155301	**XANP-MC-DOL3KW** 155302	**XANP-MC-DOL4KW** 155303	**XANP-MC-DOL5,5KW** 155304	**XANP-MC-DOL7,5KW** 155305

0,75	1,1	1,5	2,2	3	4	5,5	7,5
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-FR0,75KW 155327	**XANP-MC-FR1,1KW** 155328	**XANP-MC-FR1,5KW** 155329	**XANP-MC-FR2,2KW** 155330	**XANP-MC-FR3KW** 155331	**XANP-MC-FR4KW** 155332	**XANP-MC-FR5,5KW** 155333	**XANP-MC-FR7,5KW** 155334

37	45	55	75	90	110	132	160
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-SD37KW 155356	**XANP-MC-SD45KW** 155357	**XANP-MC-SD55KW** 155358	**XANP-MC-SD75KW** 155359	**XANP-MC-SD90KW** 155360	**XANP-MC-SD110KW** 155361	**XANP-MC-SD132KW** 155362	**XANP-MC-SD160KW** 155363

100	125	160	200	250	300	320	400
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-FE100A 155373	**XANP-MC-FE125A** 155374	**XANP-MC-FE160A** 155375	**XANP-MC-FE200A** 155376	**XANP-MC-FE250A** 155377	**XANP-MC-FE300A** 155378	**XANP-MC-FE320A** 155379	**XANP-MC-FE400A** 155380

100	125	160	200	250	300	400	630
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-FC100A 155390	**XANP-MC-FC125A** 155391	**XANP-MC-FC160A** 155392	**XANP-MC-FC200A** 155393	**XANP-MC-FC250A** 155394	**XANP-MC-FC300A** 155395	**XANP-MC-FC400A** 155397	**XANP-MC-FC630A** 155399

. . . also for use in the Main Bus Bar Top (BBT) system

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VT04811

11	15	18,5	22	30	37	45	55
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-DOL11KW 155306	**XANP-MC-DOL15KW** 155307	**XANP-MC-DOL18,5KW** 155308	**XANP-MC-DOL22KW** 155309	**XANP-MC-DOL30KW** 155310	**XANP-MC-DOL37KW** 155311	**XANP-MC-DOL45KW** 155312	**XANP-MC-DOL55KW** 155313

11	15	18,5	22	30	37	45	55
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-FR11KW 155335	**XANP-MC-FR15KW** 155336	**XANP-MC-FR18,5KW** 155337	**XANP-MC-FR22KW** 155338	**XANP-MC-FR30KW** 155339	**XANP-MC-FR37KW** 155340	**XANP-MC-FR45KW** 155341	**XANP-MC-FR55KW** 155342

200	250
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.
XANP-MC-SD200KW 155364	**XANP-MC-SD250KW** 155365

630
Article No. per unit unit = 10 pcs.
XANP-MC-FE630A 155382

. . . also for use in the Main Bus Bar Top (BBT) system

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VT04811

75	90	110	132	160	200		
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.		
XANP-MC-DOL75KW 155314	**XANP-MC-DOL90KW** 155315	**XANP-MC-DOL110KW** 155316	**XANP-MC-DOL132KW** 155317	**XANP-MC-DOL160KW** 155318	**XANP-MC-DOL200KW** 155319		

75	90	110	132	160	200		
Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.	Article No. per unit unit = 10 pcs.		
XANP-MC-FR75KW 155343	**XANP-MC-FR90KW** 155344	**XANP-MC-FR110KW** 155345	**XANP-MC-FR132KW** 155346	**XANP-MC-FR160KW** 155347	**XANP-MC-FR200KW** 155348		

. . . also for use in the Main Bus Bar Top (BBT) system

Accessories: Cable Tie Wraps



VT05111

Length = 98 mm Article No. per unit unit = 1000 pcs.	Length = 140 mm Article No. per unit unit = 1000 pcs.	Length = 2005 mm Article No. per unit unit = 100 pcs.
ITB1 083550	**ITB2** 085923	**ITB3** 088296

Accessories: DIN Rail

When used as a PE conductor, the short-circuit strength corresponds to a 16 mm^2 Cu conductor
Delivery length = 2 m

DIN rail Article No. per unit unit = 20 pcs.
TS35X7,5 053030

Accessories: Mounting Brackets, inclined

For mounting TS35X7,5 or TS35X15 support rails in an inclined position. Sheet steel, zinc-plated .



VT16310

Mounting Brackets, inclined Article No. per unit unit = 100 pcs.
TS1-BRA-CS 138772

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Cable Guidance Clips

Cable holder with fixing anchor (halogen-free)
Drill hole for fixing = Ø 4.7 mm
Max. number of cables in a bundle = 20 x 11 mm



VT01112

Cable guidance clips	
Article No. per unit unit = 100 pcs.	
XACACLIP 166691	

Accessories: Design Strip - Rain Top

To reach IP31 with drawers in test position or in open position you need to use a protruding design strip (rain shield). So the drawers are protected against vertical dripping water.
Without a rain shield you will reach IP30.



VT04111

Width = 1000 mm	Width = 1200 mm
Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.
XSDR10-X1-B 155542	**XSDR12-X1-B** 155543

. . . also for use in the Main Bus Bar Top (BBT) system

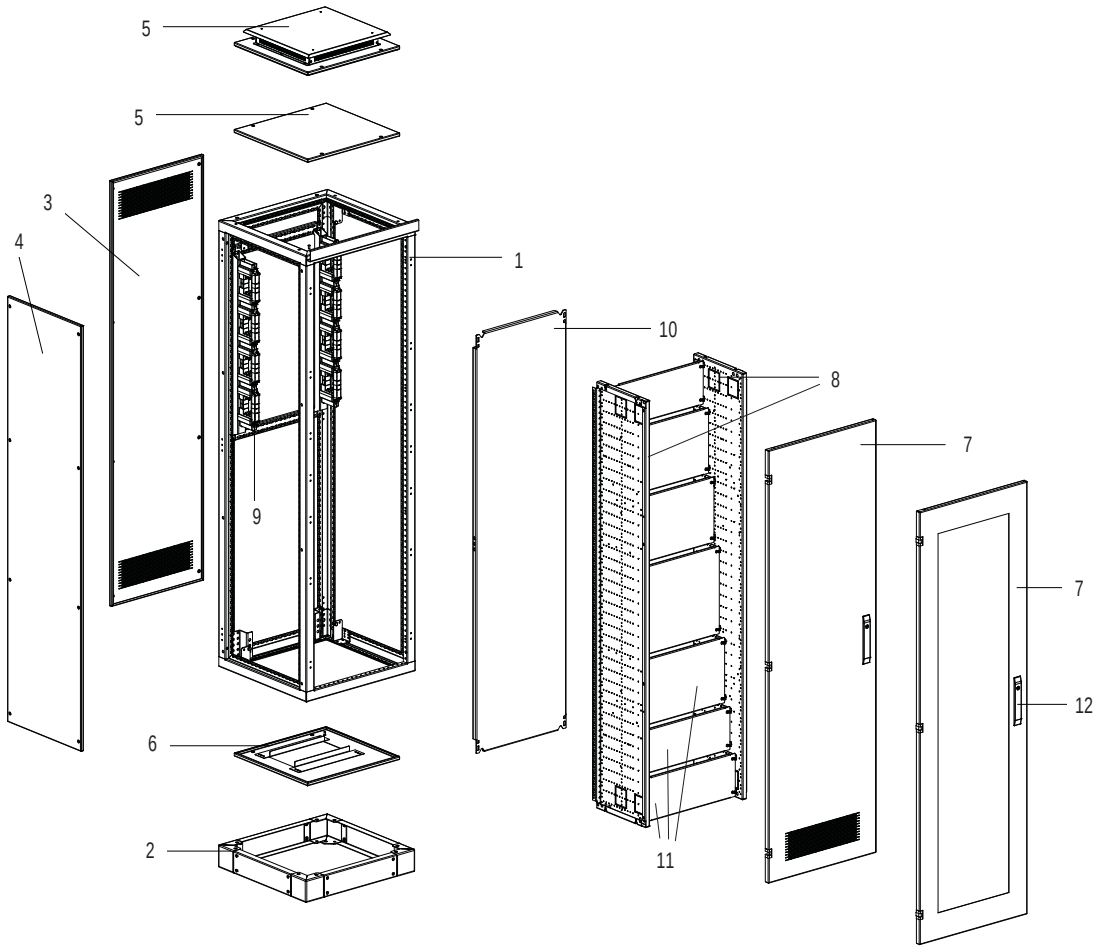
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XG = Empty sections for general equipment

General sections for mounting plates/IVS/xBoard Profi Plus installation . . . . . Page xx
General section for power factor correction units from Frako . . . . . Page xx
General section for power factor correction units from KBR . . . . . Page xx

General Mounting Units

XE_kat_5-1



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door/glass door
8 Universal mounting plate
9 Support for main busbar
10 Mounting plate as high as section
11 Mounting plate in different heights
12 Lock mechanism

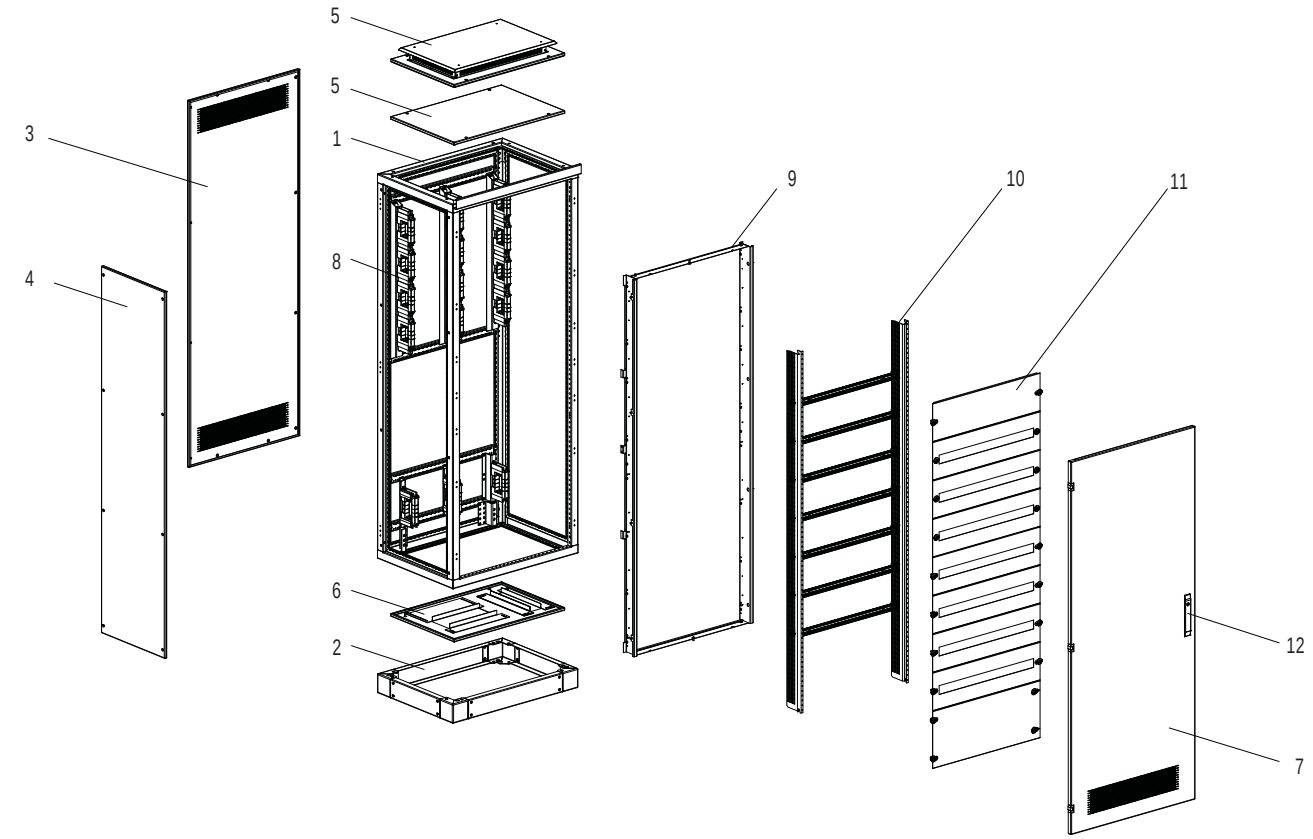
Features
- Individual fixed mounting units on mounting plates
- Control technology - you can install mounting plates as high as the section or split ones
- Section height 2000 mm
- Section depths of 400/600/800 mm
- Section widths of 425/600/800/1000/1200 mm
- IP31/55

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

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xBoard Profi+ Mounting Units

Katalog 4-1_XBH



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Support for main busbar

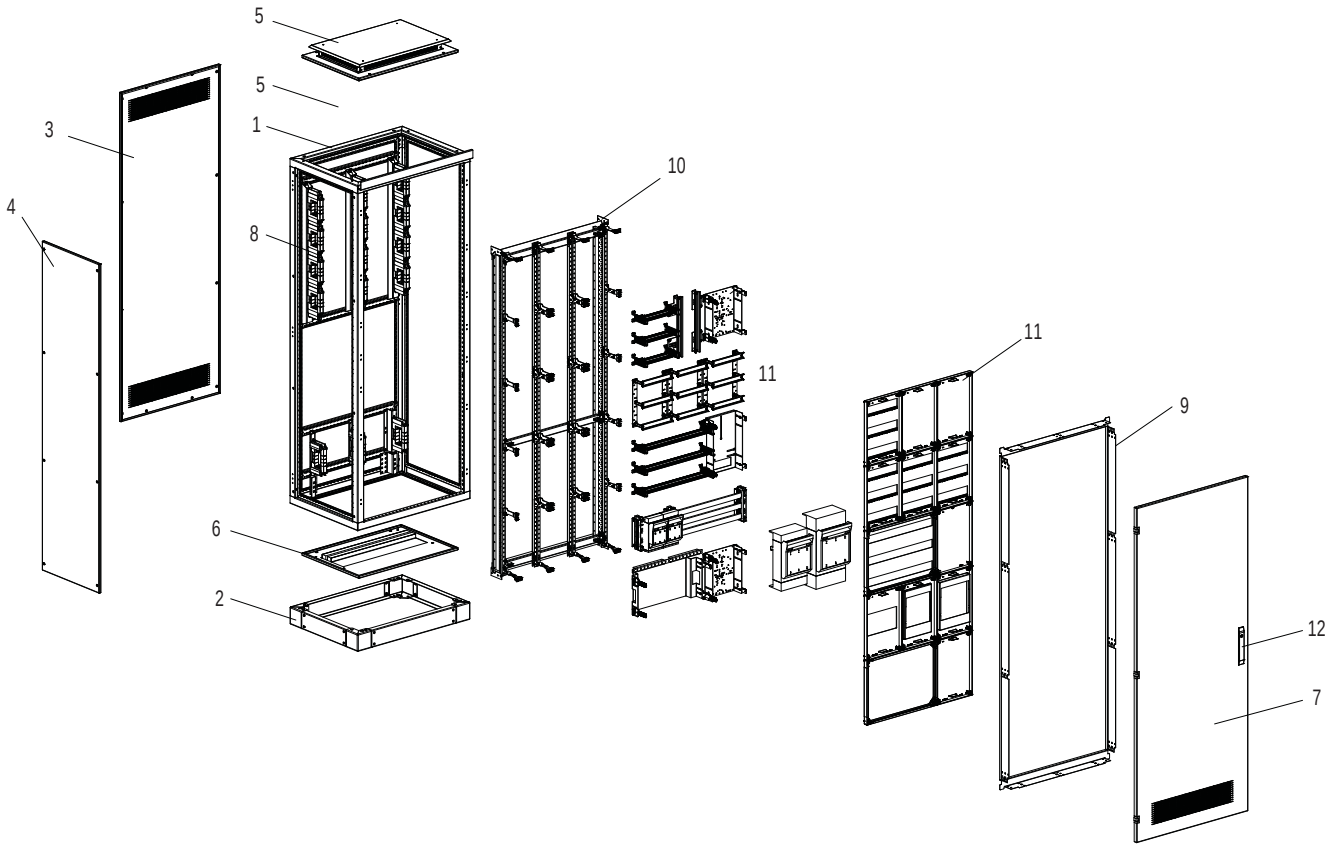
9 Fitting frame
10 Mounting insert
11 Front panels
12 Lock mechanism

Features
- Section height 2000 mm
- Section depths of 400/600/800 mm
- Section widths of 425/600/800/1000/1200 mm
- IP31/55
- Mounting systems for xBoard Profi+ devices for modular installation

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

IVS Mounting Units

Katalog 4-1-IVS



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door
8 Support for main busbar
9 Fitting frame
10 Mounting insert
11 Front panels
12 Lock mechanism

Features
- Section height 2000 mm
- Section depths of 400/600/800 mm
- Section widths of 425/600/800/1000/1200 mm
- IP31/55
- Mounting systems for xBoard Profi+ devices for modular installation

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

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General Mounting Units, Main Busbars rear-mounted (HSS)



wa_vt77213, wa_vt28213



wa_vt71913



VT00109

Section-depth mm	Section width mm	Separation p. main busbar area/ switchgear area Article No. per unit	Fitting kit [1] multi-functional support panels for HSH, only necessary where several mounting plates are used Article No. per unit
400	425	**XPFCB04/06** 110265	**XSMIB20-1** 107292
	600	**XPFCB04/06** 110265	**XSMIB20-1** 107292
	800	**XPFCB08/10** 110266	**XSMIB20-1** 107292
	1000	**XPFCB08/10** 110266	**XSMIB20-1** 107292
600	425	**XPFCB04/06** 110265	**XSMIB20** 284257
	600	**XPFCB04/06** 110265	**XSMIB20** 284257
	800	**XPFCB08/10** 110266	**XSMIB20** 284257
	1000	**XPFCB08/10** 110266	**XSMIB200** 284257
	1200	**XPFCB12** 110267	**XSMIB20** 284257

Note

* Finish in special RAL colour
[1] Double-wing door
[2] For more individual components, please refer to the Profi+ catalogue
[3] For more individual components, please refer to the IVS catalogue


VT20509

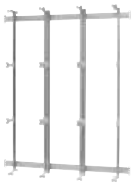

wa_vt69113


wa_vt54313


wa_vt08513


wa_vt54213


wa_vt23013


wa_vt18513

Mounting p. total height of section Article No. per unit	Mounting plates available as of a height of 100 mm Article No. per unit	Fitting frames for [2] installation outgoers xBoard Profi+ in xEnergy Main Max. installation depth in the door to the switchgear area is 135 mm H = 2000 mm Article No. per unit	Fitting frames for [2] installation outgoers xBoard Profi+ in xEnergy Main Max. installation depth in the door to the switchgear area is 185 mm H = 2000 mm Article No. per unit	Mounting frames for [2] installation outgoers for use with fixed installation, without MSW (swing out impossible) supporting bracket for front panels required H = 2000 mm Article No. per unit	Cover frame for for [3] IVS in xEnergy Main H = 2000 mm Article No. per unit	Fitting frame for [3] IVS in xEnergy Main H = 2000 mm Article No. per unit
XSMMFB2004 284263	see page xx	**XVTL-BP-W-4/20** 115203	**XVTL-BP-W-4/20-185** 120624	**XVTLBP-F-4/20** 115173	**XVTL-IVS-4/20** 115230	**XVTL-TG-400/20/4-IVS** 116057
XSMMFB2006 284264	see page xx	**XVTL-BP-W-6/20** 115210	**XVTL-BP-W-6/20-185** 120628	**XVTLBP-F-6/20** 115180	**XVTL-IVS-6/20** 115232	**XVTL-TG-600/20/4-IVS** 116059
XSMMFB2008 284265	see page xx	**XVTL-BP-W-8/20** 115216	**XVTL-BP-W-8/20-185** 120631	**XVTLBP-F-8/20** 115186	**XVTL-IVS-8/20** 115234	**XVTL-TG-800/20/4-IVS** 116071
XSMMFB2010 284266	see page xx	**XVTL-BP-W-10/20** 115222	**XVTL-BP-W-10/20-185** 120634	**XVTLBP-F-10/20** 115192	**-**	**-**
XSMMFB2004 284263	see page xx	**XVTL-BP-W-4/20** 115203	**XVTL-BP-W-4/20-185** 120624	**XVTLBP-F-4/20** 115173	**XVTL-IVS-4/20** 115230	**XVTL-TG-400/20/4-IVS** 116057
XSMMFB2006 284264	see page xx	**XVTL-BP-W-6/20** 115210	**XVTL-BP-W-6/20-185** 120628	**XVTLBP-F-6/20** 115180	**XVTL-IVS-6/20** 115232	**XVTL-TG-600/20/4-IVS** 116059
XSMMFB2008 284265	see page xx	**XVTL-BP-W-8/20** 115216	**XVTL-BP-W-8/20-185** 120631	**XVTLBP-F-8/20** 115186	**XVTL-IVS-8/20** 115234	**XVTL-TG-800/20/4-IVS** 116071
XSMMFB2010 284266	see page xx	**XVTL-BP-W-10/20** 115222	**XVTL-BP-W-10/20-185** 120634	**XVTLBP-F-10/20** 115192	**-**	**-**
XSMMFB2012 284267	see page xx	**XVTL-BP-W-12/20** 115228	**XVTL-BP-W-12/20-185** 120637	**XVTLBP-F-12/20** 115198	**XVTL-IVS-12/20** 115236	**XVTL-TG-1200/20/4-IVS** 116073

Note

* Finish in special RAL colour
[1] Double-wing door
[2] For more individual components, please refer to the Profi+ catalogue
[3] For more individual components, please refer to the IVS catalogue

EATON
Powering Business Worldwide

General Mounting Units, Main Busbars rear-mounted (HSS) (continued)



wa_vt77213, wa_vt28213



wa_vt71913



VT00109

Section-depth mm	Section width mm	Separation p. main busbar area/switch-gear area Article No. per unit	Fitting kit [1] multi-functional support plates for HSH Article No. per unit
800	425	**XPFCB04/06** 110265	**XSMIB20** 284257
	600	**XPFCB04/06** 110265	**XSMIB20** 284257
	800	**XPFCB08/10** 110266	**XSMIB20** 284257
	1000	**XPFCB08/10** 110266	**XSMIB20** 284257
	1200	**XPFCB12** 110267	**XSMIB20** 284257

Note

* Finish in special RAL colour
[1] Double-wing door
[2] For further individual components, please refer to the Profi+ catalogue
[3] For further individual components, please refer to the IVS catalogue

EATON Powering Business Worldwide


VT20509

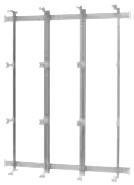

wa_vt69113


wa_vt54313


wa_vt08513


wa_vt54213


wa_vt23013


wa_vt18513

Mounting p. total height of section incl. fixing brackets Article No. per unit	Mounting plates available as of a height of 100 mm Article No. per unit	Fitting frames for [2] installation outgoers xBoard Profi+ in xEnergy Main Max. installation depth in the door to the switchgear area is 135 mm H = 2000 mm Article No. per unit	Fitting frames for [2] installation outgoers xBoard Profi+ in xEnergy Main Max. installation depth in the door to the switchgear area is 185 mm H = 2000 mm Article No. per unit	Mounting frames for [2] installation outgoers for use with fixed installation, without MSW (swing out impossible) supporting bracket for front panels required H = 2000 mm Article No. per unit	Cover frame for for [3] IVS in xEnergy Main H = 2000 mm Article No. per unit	Fitting frame for [3] IVS in xEnergy Main H = 2000 mm Article No. per unit
XSMMFB2004 284263	see page xx	**XVTL-BP-W-4/20** 115203	**XVTL-BP-W-4/20-185** 120624	**XVTLBP-F-4/20** 115173	**XVTL-IVS-4/20** 115230	**XVTL-TG-400/20/4-IVS** 116057
XSMMFB2006 284264	see page xx	**XVTL-BP-W-6/20** 115210	**XVTL-BP-W-6/20-185** 120628	**XVTLBP-F-6/20** 115180	**XVTL-IVS-6/20** 115232	**XVTL-TG-600/20/4-IVS** 116059
XSMMFB2008 284265	see page xx	**XVTL-BP-W-8/20** 115216	**XVTL-BP-W-8/20-185** 120631	**XVTLBP-F-8/20** 115186	**XVTL-IVS-8/20** 115234	**XVTL-TG-800/20/4-IVS** 116071
XSMMFB2010 284266	see page xx	**XVTL-BP-W-10/20** 115222	**XVTL-BP-W-10/20-185** 120634	**XVTLBP-F-10/20** 115192	**-**	**-**
XSMMFB2012 284267	see page xx	**XVTL-BP-W-12/20** 115228	**XVTL-BP-W-12/20-185** 120637	**XVTLBP-F-12/20** 115198	**XVTL-IVS-12/20** 115236	**XVTL-TG-1200/20/4-IVS** 116073

Note

* Finish in special RAL colour
[1] Double-wing door
[2] For further individual components, please refer to the Profi+ catalogue
[3] For further individual components, please refer to the IVS catalogue

Components
General Mounting Units



xEnergy Main Switchboards

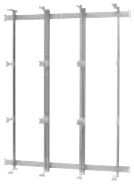
General Accessories: Frames

For all other individual components, please refer to the Profi+ or IVS catalogue (front panels, switchgear bars, ...)









wa_vt08513 wa_vt54213 wa_vt23013 wa_vt18513

Section width mm	Fitting frame for installation outgoers xBoard Profi+ max. fitting depth in door to switchgear a. 135 mm H = 2000 mm Article No. per unit unit = 1 set	Fitting frame for installation outgoers xBoard Profi+ max. fitting depth in door to switchgear a. 185 mm H = 2000 mm Article No. per unit unit = 1 set	Mounting frame for installation outgoers xBoard Profi+ to be used for fixed install., without MSW (cannot be turned out), in addition you will need support brackets for the front panels H = 2000 mm Article No. per unit unit = 1 set	Cover frame for IVS in xEnergy Main H = 2000 mm Article No. per unit unit = 1 set	Fitting frame for [1] IVS in xEnergy Main H = 2000 mm Article No. per unit unit = 1 set
425	**XVTL-BP-W-4/20** 115203	**XVTL-BP-W-4/20-185** 120624	**XVTL-BP-F-4/20** 115173	**XVTL-IVS-4/20** 115230	**XVTL-TG-400/20/4-IVS** 116057
600	**XVTL-BP-W-6/20** 115210	**XVTL-BP-W-6/20-185** 120628	**XVTL-BP-F-6/20** 115180	**XVTL-IVS-6/20** 115232	**XVTL-TG-600/20/4-IVS** 116059
800	**XVTL-BP-W-8/20** 115216	**XVTL-BP-W-8/20-185** 120631	**XVTL-BP-F-8/20** 115186	**XVTL-IVS-8/20** 115234	**XVTL-TG-800/20/4-IVS** 116071
1000	**XVTL-BP-W-10/20** 115222	**XVTL-BP-W-10/20-185** 120634	**XVTL-BP-F-10/20** 115192	-	-
1200	**XVTL-BP-W-12/20** 115228	**XVTL-BP-W-12/20-185** 120637	**XVTL-BP-F-12/20** 115198	**XVTL-IVS-12/20** 115236	**XVTL-TG-1200/20/4-IVS** 116073

General Accessories: Mounting Plates as high as the Section, Mounting Plates without holes in divers heights

Incl. fastening material.





VT20509 wa_vt33513

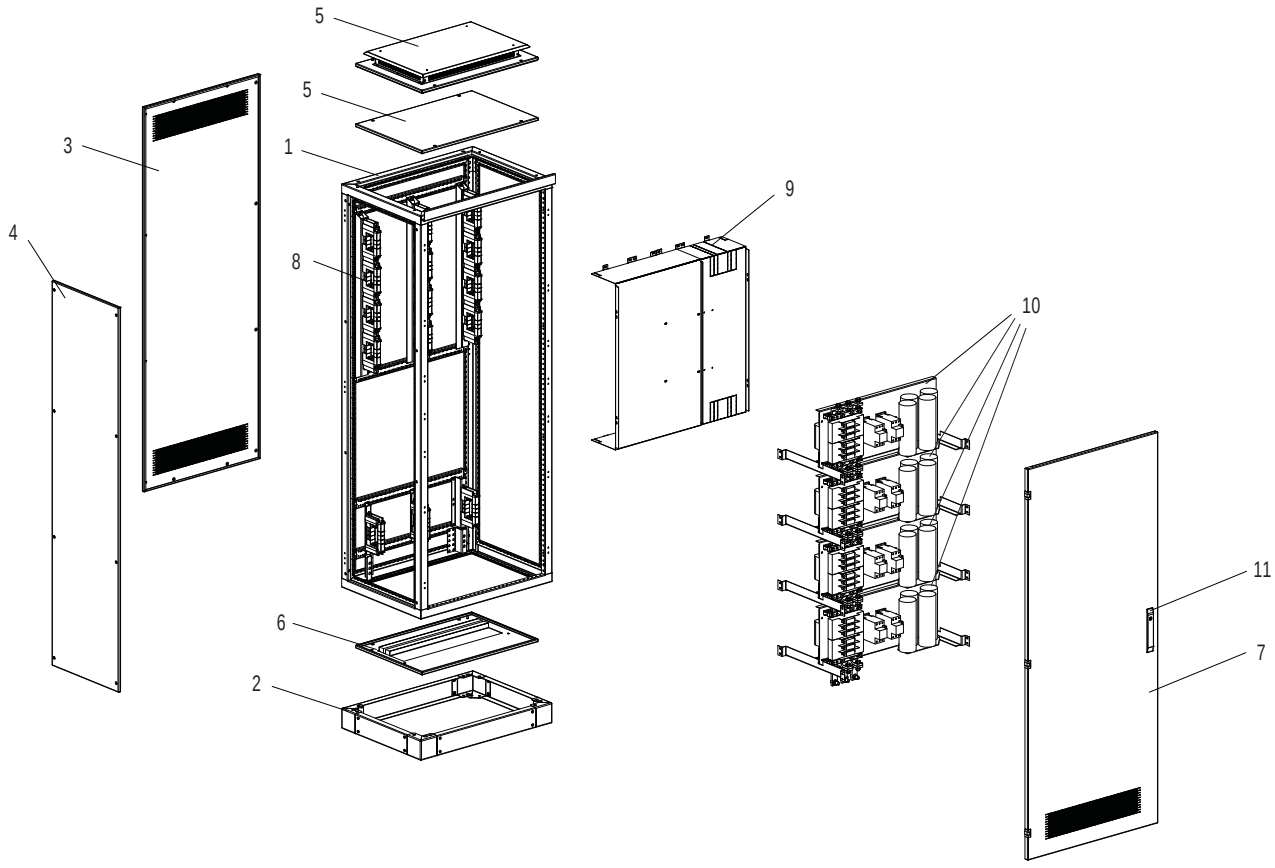
Section width mm	Mounting plate as high as the section Article No. per unit unit = 1 set	H = 50 mm Article No. per unit unit = 1 set	H = 100 mm Article No. per unit unit = 1 set	H = 150 mm Article No. per unit unit = 1 set	H = 200 mm Article No. per unit unit = 1 set	H = 300 mm Article No. per unit unit = 1 set	H = 400 mm Article No. per unit unit = 1 set	H = 600 mm Article No. per unit unit = 1 set	H = 800 mm Article No. per unit unit = 1 set
425	**XSMMFB2004** 284263	**XME0204M** 283923	**XME0404M** 283929	**XME0604M** 284727	**XME0804M** 283941	**XME1204M** 285684	**XME1604M** 283949	**XME2404M** 285685	-
600	**XSMMFB2006** 284264	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1206M** 285686	**XME1606M** 283951	**XME2406M** 285687	**XME3206M** 126010
800	**XSMMFB2008** 284265	-	**XME0408M** 285689	**XME0608M** 285690	**XME0808M** 285691	**XME1208M** 285692	**XME1608M** 285693	**XME2408M** 285694	-
1000	**XSMMFB2010** 284266	-	**XME0410M** 285695	**XME0610M** 285696	**XME0810M** 285697	**XME1210M** 285698	**XME1610M** 285699	**XME2410M** 285700	-
1200	**XSMMFB2012** 284267	-	-	-	-	-	-	**XME2412M** 102810	-

Note [1] For further individual components, please refer to the IVS catalogue

EATON Powering Business Worldwide

Power Factor Correction

Katalog 5-1-kommpens



1 Frame
2 Plinth
3 Rear panel
4 Side panel
5 Top panel
6 Bottom panel
7 Door to switchgear area
8 Support for main busbar
9 Partition main busbar area/switchgear area
10 Correction module
11 Lock mechanism

Features
- Section widths of 600/800 mm
- Module widths of 600/800 mm
- Can be installed up to zu 500 kVAr
- Suitable with or without main busbar
- Suitable for main busbar top-mounted and rear-mounted
- Suitable for section depths of 600/800 mm
- IP31/55

Notes
Frame comes with a blue design strip.
Doors include locking system for 3 mm two-way key bit.
Fitting kits pre-drilled, incl. of all fixing elements.
Where cover plates in several parts are used, it may be necessary to provide for the required degree of protection through additional measures.
For flanges, clip-down handles, lifting eyebolts, 180° hinges, fixing brackets, Durostone supports, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter "General Accessories".

Correction components from Frako

Supplier of correction modules, regulators and fans is the company FRAKO. The set-up of the xEnergy Main sections will be based on the offer and the set-up instructions of the company FRAKO.

Address:
FRAKO GmbH, Tscheulinstr. 21 A, D-79331 Teningen, Germany
Phone: +49 (0)7641-453-0, Fax. +49 (0)7641-453-535

Power factor in kvar degree of protection IP31 with protective top	with closed cover plate and top-mounted fan		Degree of protection IP54/55[2] with door fan		Section Version	Dimensions
Unchoked kvar	Choked[1] 5.67 %; 7 %; 8 % kvar	Unchoked kvar	Choked[1] 5.67 %; 7 %; 8 % kvar	Unchoked kvar		Height x Width x Depth mm
400	400	–	400	200 – 400	without main busbar	2000 x 600 x 600 / 800 2000 x 800 x 600 / 800
400	500	500	400	200 – 400	with rear-mounted main busb.	2000 x 800[2] x 600 / 800
400	400	–	300	200 – 300	with top-mounted main busb.	2000 x 600 x 600 2000 x 800 x 600

Notes:
1) Choked to 13.5 % available upon request.
2) If a busbar separation on the right side is necessary for transport purposes, **a 75 mm** wide add-on frame XSAF2001... **must be used** in order to ensure access.

Planning notes for the installation of power factor correction components:
- Installation of 500 kvar is only possible in case of direct connection to the main busbar.
- In case a cable connection is used for the correction section, a max. of 400 kvar can be installed.
- If you install a disconnector or a back-up fuse, the correction factor that can be installed is limited to 300 kvar (this applies to sections with and without a main busbar).

Model FRAKO	Series resonance frequency	Choking factor for	Networks using an energy supplier's sound frequency [3]
-P8	177 Hz	p = 8 %	≥ 217 Hz
-P7	189 Hz	p = 7 %	≥ 228 Hz
-P5	210 Hz	p = 5.67 %	≥ 270 Hz

Notes:
3) Any different regulations applying to energy suppliers must be taken into account.

Fitting kits	Type Article No. for one unit each
Profile for the installation of a power faction correction system	
• only required for sections with rear-mounted busbars • 2 units required for each section	**XSMPB20** 288997 VT25009
Separation panel main busbar area at the rear/ switchgear area	
• Partition main busbar	**XPFCB08/10** 110266  wa_vt56913
• only for sections with rear-mounted busbar • for internal separation Form 2	**XPBM2008** 288998

Planning notes for finishing the sections:
– Vertical profiles XSFH20 and frame XSFB08..., e.g. to be selected from sections for general mounting units

- For an IP31 degree of protection you will need:
  – Door ventilated XSDML(R)V20...
  – Rear panel ventilated XSWV20...
  – Cover plate closed XSPTC... with top-mounted fan
  – Protective top XAD... with 400 kvar unchoked without fan
  – Bottom panel closed XSPBM...
  – Separation section/section XPSS..., in case of correction sections with a fan this is necessary on both sides towards the adjacent panels (not applicable if a side panel or separation p. section/section already exists in the adjacent section).
  – Side panel XAW.. if required.
- For an IP55 degree of protection you will need:
  – Door closed XSDMC20...
  – Rear panel closed XSWC20...
  – Cover plate closed XSPTC...
  – Bottom panel closed XSPBM...
  – Separation section/section XPSS..., necessary on both sides towards adjacent sections (not applicable if a side panel or separation p. section/section already exists in the adjacent section).
  – Side panel XAW.. if required.

Powering Business Worldwide

Ordering aid for power factor correction components from FRAKO

Supplier of correction modules, control units and fans is the company FRAKO. The equipment of the xEnergy Main sections will be based on the offer and the set-up instructions of the company FRAKO.
Address: FRAKO GmbH, Tscheulinstr. 21 A, D-79331 Teningen, Germany. Phone +49 (0) 7641-453-0, Fax. +49 (0) 7641-453-535

Total power kvar	Power range kvar	Switching sequence	**Type** Article No.	Weight approx. (kg)
Modules unchoked for a section width of 600 mm and a section depth of 600/800 mm for all versions Dimensions (W x H x D) 500 x 300 x 350 mm				
50	12.5	1:1:2	**C64C-50-12,5-21-400/440-64**	
50	25	1:1	**C64C-50-25-2-400/440-64**	
50	50	1	**C64C-50-50-1-400/440-64**	
100	12.5	1:1:2:4	**C64C-100-12,5-211-400/440-64**	
100	25	1:1:2	**C64C-100-25-21-400/440-64**	
100	50	1:1	**C64C-100-50-2-400/440-64**	
Additional equipment: Set of support rails, complete for C-modules in xEnergy Main 600 mm deep				
For rear-mounted busbars			34-80173	
Without busbars or for top-mounted busbars			34-80174	
Modules choked for a section width of 600 mm and a section depth of 600/800 mm without busbars Dimensions (W x H x D) 500 x 300 x 350 mm for C64D..., 500 x 300 x 550 mm for C66D...				
50	12.5	1:1:2	**C64C-50-12,5-21-400/440-64-P...**[1]	
50	25	1:1	**C64C-50-25-2-400/440-64-P...**[1]	
50	50	1	**C64C-50-50-1-400/440-64-P...**[1]	
100	25	1:1:2	**C64C-100-25-21-400/440-66-P...**[1]	
100	50	1:1	**C64C-100-50-2-400/440-66-P...**[1]	
Additional equipment: Set of support rails, complete for C-modules in xEnergy Main 600 mm deep				
Without busbars or for top-mounted busbars			34-80174	
Modules unchoked for a section width of 800 mm and a section depth of 600/800 mm for all versions Dimensions (W x H x D) 700 x 300 x 350 mm				
50	12.5	1:1:2	**C84C-50-12,5-21-400/440-84**	
50	25	1:1	**C84C-50-25-2-400/440-84**	
50	50	1	**C84C-50-50-1-400/440-84**	
100	12.5	1:1:2:4	**C84C-100-12,5-211-400/440-84**	
100	25	1:1:2	**C84C-100-25-21-400/440-84**	
100	50	1:1	**C84C-100-50-2-400/440-84**	
Additional equipment: Set of support rails, complete for C-modules in xEnergy Main 600 mm deep				
For rear-mounted busbars			34-80173	
Without busbars or for top-mounted busbars			34-80174	

Notes
Status: 18 Nov. 2004
[1] Choking of 5.67% = P5; 7 % = P7; 8 % = P8

Powering Business Worldwide

Ordering aid for power factor correction components from FRAKO

	Total power kvar	Power range kvar	Switching sequence	**Type** Article No.	Weight approx. (kg)
Modules choked for a section width of 800 mm and a section depth of 600/800 mm without busbars Dimensions (W x H x D) 700 x 300 x 350 mm					
	50	12.5	1:1:2	**C84C-50-12,5-21-400/440-84-P...**[1]	
	50	25	1:1	**C84C-50-25-2-400/440-84-P...**[1]	
	50	50	1	**C84C-50-50-1-400/440-84-P...**[1]	
	100	25	1:1:2	**C84C-100-25-21-400/440-84-P...**[1]	
	100	50	1:1	**C84C-100-50-2-400/440-84-P...**[1]	
Additional equipment: Set of support rails, complete for C-modules in xEnergy Main 600 mm deep					
For rear-mounted busbars				34-80173	
Without busbars or for top-mounted busbars				34-80174	

Notes [1] Throttling of 5.67% = P5; 7 % = P7; 8 % = P8
Other versions on request

	Type Article No.
Regulators, control units, fans	
Regulator package, 6 speeds With regulator terminal strip on DIN-rail	**STR-RM 9606-1500** 34-72016
Regulator package, 12 speeds With regulator terminal strip on DIN-rail	**STR-RM 11005-1500** 34-72024
Connection from below	**CU-AW 1** 34-80006
Fan package, complete, IP31 Top-mounted fan with thermostat	**LP-LSFC** 34-80096
Fan package, complete, IP54 Top-mounted fan with thermostat	**LP-LSFC IP54-3426/1** 34-80169
Control mounting plate To accommodate regulator terminal strip, thermostat, control transformer, core balance transformer etc.	
For a section width of 600 mm	**SB-C6** 34-80069
For a section width of 800 mm	**SB-C8** 34-80053

Power correction components from FRAKO


wa_vt77313


vt21716


wa_vt71913


VT25009

Section width mm	Separation p. Main busbar area/switch-gear area Article No. per unit	Separation p. Main busbar area/switch-gear area Article No. per unit	Support profile as high as the section Article No. per unit	Set of support rails for power correction modules to be orderd directly from FRAKO Article No. per unit
Depth of 600 mm, rear-mounted busbar				
600	-	**XPFCB04/06** 110265	**XSMPB20** 288997	**34-80173**
800	**XPBM2008** 288998	**XPFCB08/10** 110266	**XSMPB20** 288997	**34-80173**
Depth of 800 mm, rear-mounted busbar				
600	-	**XPFCB04/06** 110265	**XSMPB20** 288997	**34-80174**
800	**XPBM2008** 288998	**XPFCB08/10** 110266	**XSMPB20** 288997	**34-80174**
Depth of 600 mm, top-mounted busbar (or no busbar at all)				
600	-	**XPFCB04/06** 110265	-	**34-80174**
800	**XPBM2008** 288998	**XPFCB08/10** 110266	-	**34-80174**

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Power factor correction components from KBR

Supplier of correction modules, regulators and fans is the company KBR. The set-up of the xEnergy Main sections will be based on the offer and the set-up instructions of the company KBR.

Address:
KBR GmbH; Am Kiefernschlag 7, 91126 Schwabach, Germany
Phone +49 9122 6373-0, Fax +49 9122 6373-83, mail: info@kbr.de

Power factor in kvar				Section	
Degree of prot. IP31 with closed cover plate and top-mounted fan		Degree of protection IP54/55[2] with closed cover plate and top-mounted fan		Version	Dimensions
Choked 5.5%, 7%, 8% kvar	Choked 12,5%, 14% kvar	Choked 5.5%, 7%, 8% kvar	Choked 12.5%, 14% kvar	mm	Height x Width x Depth
200	200	200	200	without main busbar	2000 x 600 x 600 / 800
400	400	400	400		2000 x 800 x 600 / 800
400	400	400	400	with rear-mounted main busb.	2000 x 800[1] x 600 / 800
150	150	150	150	with top-mounted main busb.	2000 x 600 x 600
300	300	300	300		2000 x 800 x 600

Notes:

[1] If a busbar separation on the right side is necessary for transport purposes, **a 75 mm** wide add-on frame XSAF2001... **must be used** in order to ensure access.

[2] Top-mounted fan IP54, section IP55

Planning notes for the installation of power factor correction components:

- If you install a disconnector or a back-up fuse, there will be one space less available for other components.

Model KBR	Series resonance frequency	Choking factor for	Networks using an energy supplier's sound frequency [3]
-14	134 Hz	p = 14%	≥ 175 Hz
-12	142 Hz	p = 12,5%	≥ 185 Hz
-8	177 Hz	p = 8 %	≥ 217 Hz
-7	189 Hz	p = 7 %	≥ 228 Hz
-5	214 Hz	p = 5,5 %	> 270 Hz

Notes:

[3] Any different regulations applying to energy suppliers must be taken into account.

Planning notes for the set-up of sections:

– Vertical profiles of type XSFH20 and frames of type XSFB08... can be selected from sections for general mounting units; additional equipment according to your needs.
– For sections with top-mounted busbars you will need a set of XSFS06 cross-members.
– For sections with the busbar area at the rear you will need a separation panel for busbar area/switchgear area XPBM20... . You will not need it though if the correction sections are separate.
– Bottom panel type XSPBM... closed
– Separation panel section / section type XPSS..., required on both sides towards the adjacent sections if they are correction sections (does not apply if a side panel or separation panel section / section is already installed in the adjacent section).
– Side panel type XAW.. where necessary.

- For an IP31 degree of protection you will need:
  – Door ventilated XSDML(R)V20...
  – Rear panel ventilated XSWV20...
  – Cover plate closed XSPTC...

- For an IP55 degree of protection you will need:
  – Door closed XSDMC20...
  – Rear panel closed XSWC20...
  – Cover plate closed XSPTC...

EATON
Powering Business Worldwide

Ordering aid for power factor correction components from the company KBR

Supplier of correction modules, regulators and fans is the company KBR. The set-up of the xEnergy Main sections will be based on the offer and the set-up instructions of the company KBR.

Address: KBR GmbH; Am Kiefernschlag 7, 91126 Schwabach, Phone +49 9122 6373-0, Fax +49 9122 6373-83, mail: info@kbr.de

Total power	Power range	Switching sequence	Required number of modules multimod-F...00-6.SH ...50/4	...50/2	...50/1	**Type** Complete system in the supplied section	Weight[2] approx. (kg)
kvar	kvar					Article No.	
Modules unchoked for section width 600 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 4 modules), PLUG-IN TECHNOLOGY, Dimensions (W x H x D) 535 x 265 x 320 mm							
100	12.5	1:1:2:4	1		1	multicab-R 100/08-1124-00-SSSH-EXE266	48
100	25	1:1:2		1	1	multicab-R 100/04-1120-00-SSSH-EXE266	46
150	25	1:1:2:2		1	2	multicab-R 150/06-1122-00-SSSH-EXE266	64
150	50	1:1:1			3	multicab-R 150/03-1110-00-SSSH-EXE266	64
200	25	1:1:2:2:2		1	3	multicab-R 200/08-1122-00-SSSH-EXE266	82
200	50	1:1:1:1			4	multicab-R 200/04-1111-00-SSSH-EXE266	82
250	50	1:1:1:1:1			5	multicab-R 250/05-1111-00-SSSH-EXE266	100
Accessories: Set of support rails, complete for C-modules in xEnergy Main.							
For top-mounted busbars						**multimod-EB 2000-XE2000SO**	11
Without busbars or for rear-mounted busbars						**multimod-EB 2000-XE2000SH**	10

Total power	Power range	Switching sequence	Required number of modules multimod-F...-pp-6.SH ...25/1-p	...50/1-p	**Type** Complete system in the supplied section	Weight[2] approx. (kg)
kvar	kvar				Article No.	
Modules choked for section width 600 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 4 modules), PLUG-IN TECHNOLOGY, Dimensions (W x H x D) 535 x 265 x 290/330 mm						
100	25	1:1:2	2	1	multicab-R 100/04-1120-pp-SSSH-EXE266	112
125	25	1:1:2	1	2	multicab-R 125/05-1220-pp-SSSH-EXE266	123
150	25	1:1:2:2	2	2	multicab-R 150/06-1122-pp-SSSH-EXE266	152
150	50	1:1:1		3	multicab-R 150/03-1110-pp-SSSH-EXE266	133
175	25	1:2:2:2	1	3	multicab-R 175/07-1222-pp-SSSH-EXE266	163
200	25	1:1:2:2:2	2	3	multicab-R 200/08-1122-pp-SSSH-EXE266	193
200	50	1:1:1:1		4	multicab-R 200/04-1111-pp-SSSH-EXE266	174
250	50	1:1:1:1:1		5	multicab-R 250/05-1111-pp-SSSH-EXE266	215
Accessories: Set of support rails, complete for C-modules in xEnergy Main.						
For top-mounted busbars					**multimod-EB 2000-XE2000SO**	11
Without busbars or for rear-mounted busbars					**multimod-EB 2000-XE2000SH**	10

Total power	Power range	Switching sequence	Required number of modules multimod-F...00-8.SH ...100/4	...100/2	...50/4	...50/2	...50/1	**Type** complete system in the supplied section	Weight[2] approx. (kg)
kvar	kvar							Article No.	
Modules unchoked for section width 800 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 4 modules), PLUG-IN TECHNOLOGY, Dimensions (B x H x T) 735 x 265 x 320 mm									
100	12,5	1:1:2:4			1		1	multicab-R 100/08-1124-00-SSSH-EXE286	50
100	25	1:1:2	1					multicab-R 100/04-1120-00-SSSH-EXE286	38
150	25	1:1:2:2		1		1		multicab-R 150/06-1122-00-SSSH-EXE286	56
150	50	1:1:1		1			1	multicab-R 150/03-1110-00-SSSH-EXE286	65
200	25	1:1:2:2:2	1	1				multicab-R 200/08-1122-00-SSSH-EXE286	66
200	50	1:1:1:1		2				multicab-R 200/04-1111-00-SSSH-EXE286	74
250	50	1:1:1:1:1		2			1	multicab-R 250/05-1111-00-SSSH-EXE286	94
300	50	1:1:1:1:1:1[1]		3				multicab-R 300/06-1111-00-SSSH-EXE286	102
400	50	1:1:1:1:1:1:1:1[1]		4				multicab-R 400/08-1111-00-SSSH-EXE286	130
500	50	1:1:1:1:1:1:1:1:1:1[1]		5				multicab-R 500/10-1111-00-SSSH-EXE286	158
Accessories: Set of support rails, complete for C-modules in xEnergy Main.									
For top-mounted busbars								**multimod-EB 2000-XE2000SO**	11
Without busbars or for rear-mounted busbars								**multimod-EB 2000-XE2000SH**	10

[1] 12 regulator speeds recommended.

EATON Powering Business Worldwide

Ordering aid for power factor correction components from the company KBR.

Supplier of correction modules, regulators and fans is the company KBR. The set-up of the xEnergy Main sections will be based on the offer and the set-up instructions of the company KBR.

Address: KBR GmbH; Am Kiefernschlag 7, 91126 Schwabach, Phone +49 9122 6373-0, Fax +49 9122 6373-83, mail: info@kbr.de

Total power	Power range	Switching sequence	Required number of modules multimod-F...-pp-8.SH ...50/2-p	...50/1-p	...75/3-p	...75/1-p	**Type** Complete system in supplied section	Weight[2] approx. (kg)
kvar	kvar						Article No.	
Modules choked for section width 800 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 4 modules), PLUG-IN TECHNOLOGY, Dimensions (W x H x D) 735 x 265 x 290/330 mm								
100	25	1:1:2	1	1			multicab-R 100/04-1120-pp-SSSH-EXE286	104
125	25	1:2:2		1	1		multicab-R 125/05-1220-pp-SSSH-EXE286	118
150	25	1:1:2:2			2		multicab-R 150/06-1122-pp-SSSH-EXE286	135
150	50	1:1:1		3			multicab-R 150/03-1110-pp-SSSH-EXE286	139
175	25	1:2:2:2		2	1		multicab-R 175/07-1222-pp-SSSH-EXE286	161
200	25	1:1:2:2:2		1	2		multicab-R 200/08-1122-pp-SSSH-EXE286	179
200	50	1:1,5:1,5		1		2	multicab-R 200/04-1111-pp-SSSH-EXE286	167
250	50	1:1:1,5:1,5		2		2	multicab-R 250/05-1111-pp-SSSH-EXE286	210
300	50	1:1:1:1,5:1,5		3		2	multicab-R 300/06-1111-pp-SSSH-EXE286	252
350	50	1:1,5:1,5:1,5:1,5		1		4	multicab-R 350/07-1111-pp-SSSH-EXE286	285
Accessories: Set of support rails, complete for C-modules in xEnergy Main.								
For top-mounted busbars							**multimod-EB 2000-XE2000SO**	11
Without busbars or for rear-mounted busbars							**multimod-EB 2000-XE2000SH**	10

	Total power	Graded power	Switching sequence	Number of required modules type multimod-F...-pp-6.GH ...25/1	...50/1	**Type** Complete system in supplied section	Weight[2] approx. (kg)
	kvar	kvar				Article No.	
Modules choked for section width 600 mm and section depth 600/800 mm (with top-mounted busbars you can install up to a max. of 4 modules), DRAWER TECHNOLOGY, Dimensions (B x H x T) 495 x 325 x 350 mm							
	100	25	1:1:2	2	1	multicab-R 100/04-1120-pp-SSGH-EXE266	119
	125	25	1:2:2	1	2	multicab-R 125/05-1220-pp-SSGH-EXE266	131
	150	25	1:1:1	2	2	multicab-R 150/06-1122-pp-SSGH-EXE266	163
	150	50	1:1:1		3	multicab-R 150/03-1120-pp-SSGH-EXE266	143
	175	25	1:2:2:2	1	3	multicab-R 175/07-1222-pp-SSGH-EXE266	175
	200	50	1:1:1:1		4	multicab-R 200/04-1111-pp-SSGH-EXE266	187
Accessories: Set of support rails, complete for C-module in xEnergy Main.							
Fitting kit (With a rear-mounted busbar you need to install a post at the front.)						**multimod-FSP 20X6 EX**	11

[1] Specify choking factor for p: 05 = 5.5%; 07 = 7%; 08 = 8%

[2] Weight without section, only for power factor correction units in complete systems.

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Ordering aid for power factor correction components from the company KBR.

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Address: KBR GmbH; Am Kiefernschlag 7, 91126 Schwabach, Phone +49 9122 6373-0, Fax +49 9122 6373-83, mail: info@kbr.de

Modules choked for section width 600 mm and section depth 600/800 mm (with top-mounted busbars you can install up to a max. of 3 modules, DRAWER TECHNOLOGY, Dimensions (W x H x D) 495 x 325 x 350 mm

Total power kvar	Power range kvar	Switching sequence	Required number of modules type multimod-F...-p-6.GB ..25/1	...50/1	**Type** Complete system in supplied section Article No.[1]	Weight[2] approx. (kg)
100	25	1:1:2	2	1	**multicab-R 100/04-1120-pp-SSGB-EXE266**	160
125	25	1:2:2	1	2	**multicab-R 125/05-1220-pp-SSGB-EXE266**	183
150	25	1:1:2:2	2	2	**multicab-R 150/06-1122-pp-SSGB-EXE266**	225
150	50	1:1:1		3	**multicab-R 150/03-1110-pp-SSGB-EXE266**	206
175	25	1:2:2:2	1	3	**multicab-R 175/07-1222-pp-SSGB-EXE266**	248
200	50	1:1:1:1		4	**multicab-R 200/04-1111-pp-SSGB-EXE266**	274

Accessories: Set of support rails, complete for C-modules in xEnergy Main.

Fitting kit (With a rear-mounted busbar, you need to install a post at the front)	**multimod-FSP 20X6 EX**	11

[1] Specify choking factor for p: 12=12,5%; 14=14%

[2] Weight without section, only for power correction units in complete systems.

Modules choked for section widht 800 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 3 modules), DRAWER TECHNOLOGY, Dimensions (W x H x D) 695 x 325 x 550 mm

Total power kvar	Power range kvar	Switching sequence	Required number of modules multimod-F...-pp-8.GH ...50/1	...75/3	...100/2	...100/4	**Type** Complete system in supplied section Article No.[2]	Weight[3] approx. (kg)
100	25	1:1:2				1	**multicab-R 100/04-1120-pp-SSGH-EXE286**	97
125	25	1:2:2	1	1			**multicab-R 125/05-1220-pp-SSGH-EXE286**	120
150	25	1:1:2:2		2			**multicab-R 150/06-1122-pp-SSGH-EXE286**	141
150	50	1:1:1	1		1		**multicab-R 150/03-1110-pp-SSGH-EXE286**	131
175	25	1:2:2:2		1	1		**multicab-R 175/07-1222-pp-SSGH-EXE286**	152
200	25	1:1:2:2:2			1	1	**multicab-R 200/08-1122-pp-SSGH-EXE286**	173
200	50	1:1:1:1			2		**multicab-R 200/04-1111-pp-SSGH-EXE286**	183
250	50	1:1:1:2	1		2		**multicab-R 250/05-1111-pp-SSGH-EXE286**	227
300	50	1:1:2:2			3		**multicab-R 300/06-1111-pp-SSGH-EXE286**	303
350	50	1:1:1:2:2	1		3		**multicab-R 350/07-1111-pp-SSGH-EXE286**	283
400	50	1:1:2:2:2			4		**multicab-R 400/08-1111-pp-SSGH-EXE286**	315

Accessories: Set of support rails, complete for C-modules in xEnergy Main.

Fitting kit	**multimod-FSP 20X6 EX**	11

[2] Specify choking factor for p: 05 = 5.5%; 07 = 7%; 08 = 8%

[3] Weight without section, only for power factor correction components in complete systems

Modules choked for section width 800 mm and section depth 600/800mm (with top-mounted busbars you can install up to a max. of 3 modules), DRAWER TECHNOLOGY, Dimensions (W x H x D) 695 x 325 x 550 mm

Total power kvar	Power range kvar	Switching sequence	Required number of modules multimod-F...-pp-8.GB ...50/1	...75/3	...100/2	...100/4	**Type** Complete system in supplied section Article No.[2]	Weight[3] approx. (kg)
100	25	1:1:2				1	**multicab-R 100/04-1120-pp-SSGB-EXE286**	136
125	25	1:2:2	1	1			**multicab-R 125/05-1220-pp-SSGB-EXE286**	171
150	25	1:1:2:2		2			**multicab-R 150/06-1122-pp-SSGB-EXE286**	201
150	50	1:1:1	1		1		**multicab-R 150/03-1110-pp-SSGB-EXE286**	194
175	25	1:2:2:2		1	1		**multicab-R 175/07-1222-pp-SSGB-EXE286**	224
200	25	1:1:2:2:2			1	1	**multicab-R 200/08-1122-pp-SSGB-EXE286**	254
200	50	1:1:1:1			2		**multicab-R 200/04-1111-pp-SSGB-EXE286**	247
250	50	1:1:1:2	1		2		**multicab-R 250/05-1111-pp-SSGB-EXE286**	312
300	50	1:1:2:2			3		**multicab-R 300/06-1111-pp-SSGB-EXE286**	365
350	50	1:1:1:2:2	1		3		**multicab-R 350/07-1111-pp-SSGB-EXE286**	430
400	50	1:1:2:2:2			4		**multicab-R 400/08-1111-pp-SSGB-EXE286**	483

Accessories: Set of support rails, complete for C-modules in xEnergy Main.

Fitting kit	**multimod-FSP 20X6 EX**	11

[2] Specify choking factor for p: 12 = 12.5%; 14 = 14%

[3] Weight without section, only for power factor correction units in complete systems.

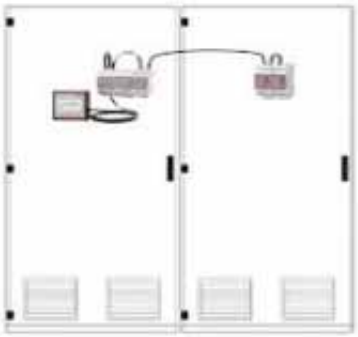
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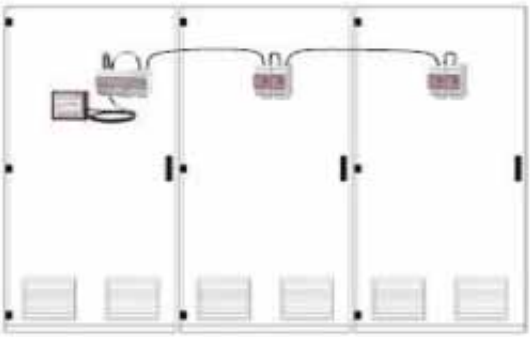
Regulators, control units, fans

		Type Article No.
Regulator 4-speed incl. display with bus connection (KBR-eBus or Modbus)		
		multicomp D6
Extension module 4-speed		
		multisio D2-4RO-2

Note: To set up the sections you usually use completely equipped control groups. These control groups come completely equipped. Individual components are usually only necessary to enhance existing systems.
"Module bus cables" for connecting the regulator components are included in the scope of delivery.







Top-mounted fan, exhaust type, IP30 1000 m^3/h		
		multimod-FAN-FL4-S
Top-mounted fan, exhaust type, IP54 1000 m^3/h		
		multimod-FAN-FL4-S-IP54
Incoming / Outgoing filter		
		2 x **multimod-FIL LG2** with multicab-R..SSG..
		1 x **multimod-FIL LG3** with multicab-R..SSS..
Filter pad		
		multimod-FMA3
Connection from below		
		multimod-ABG 30x10
Control assembly group		
Regulator section	for section width 600 mm	**multimod-SM06-R04** **multimod-SM06-R08** **multimod-SM06-R12**
	for section width 800 mm	**multimod-SM08-R04** **multimod-SM08-R08** **multimod-SM08-R12**
Extension section	for section width 600 mm	**multimod-SM06-E04-T** **multimod-SM06-E08-T** **multimod-SM06-E12-T**
	for section width 800 mm	**multimod-SM08-E04-T** **multimod-SM08-E08-T** **multimod-SM08-E12-T**

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Ordering aid for power factor correction components from the company KBR

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Components required for ventilation

Model	Total power up to kvar	Degree of protection	**Type** + number per section **FL1**	**FL4**	**LG3**
unchoked					
	200	IP30	1	-	1
	200	IP54	-	1	1
	500	IP30	2	-	1
	500	IP54	-	1	1
choked					
	150	IP30	2	-	1
	150	IP54	-	1	1
	250	IP30	4	-	1
	250	IP54	-	1	1
	350	IP30	6	-	1
	350	IP54	-	1	1

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Power factor correction components from KBR


wa_vt77313


vt21716


wa_vt71913


VT07906


wa_vt68613

Section width mm	Separation p. Main busbar area/switch-gear area Article No. per unit	Separation p. Main busbar area/switch-gear area Article No. per unit	Separation p. Article No. per unit	Crossbar Article No. per unit	Set of support rails for correction modules to be ordered directly from KBR Article No. per unit
Main busbar rear-mounted (or no main busbar), section depth 600 mm					
600	-	**XPFCB04/06** 110265	**XPSS2006** 284178	-	**multimod-EB 2000-XE2000SH**
800	**XPBM2008** 288998	**XPFCB08/10** 110266	**XPSS2006** 284178	-	**multimod-EB 2000-XE2000SH**
Main busbar rear-mounted (or no main busbar), section depth 800 mm					
600	-	**XPFCB04/06** 110265	**XPSS2008** 284179	-	**multimod-EB 2000-XE2000SH**
800	**XPBM2008** 288998	**XPFCB08/10** 110266	**XPSS2008** 284179	-	**multimod-EB 2000-XE2000SH**

Section width mm	Partition busbar area/ switchgear area Article No. per unit	Separation Article No. per unit	Crossbar Article No. per unit	Set of support rails for correction modules to be ordered directly from KBR Article No. per unit
Main busbars top-mounted				
600	**XPBMT0606** 284112	**XPSS2006** 284178	**XSFS06** 284775	**multimod-EB 2000-XE2000SO**

Note * Finish in special RAL colour

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Notes

Basic Components

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Fastening material is included in all Individual Components.

Frames - compatible with xEnergy Light

Come with blue design strip



VT13310

Section width mm	Frame depth 200 mm for 5000 A application consists of top and bottom element Article No. per unit unit = 1 set	Frame depth 400 mm consists of top and bottom element Article No. per unit unit = 1 set	Frame depth 600 mm consists of top and bottom element Article No. per unit unit = 1 set	Frame depth 800 mm consists of top and bottom element Article No. per unit unit = 1 set	
425	**XSFB0402** 150464 151686*	**XSFB0404** 284231 122274*	**XSFB0406** 284232 122275*	**XSFB0408** 284233 122276*	
600	**XSFB0602** 150465 151687*	**XSFB0604** 284234 122277*	**XSFB0606** 284235 122278*	**XSFB0608** 284236 122279*	
800	**XSFB0802** 150466 151688*	**XSFB0804** 284237 122280*	**XSFB0806** 284238 122281*	**XSFB0808** 284239 122282*	
850	**XSFB08502** 150467 151689*	**XSFB08504** 143343 143479*	**XSFB08506** 143345 143481*	**XSFB08508** 143346 143482*	
1000	**XSFB1002** 150468 151690*	**XSFB1004** 284240 122283*	**XSFB1006** 284241 122284*	**XSFB1008** 284242 122285*	
1100	**XSFB1102** 150469 151469*	**XSFB1104** 143348 143484*	**XSFB1106** 143350 143486*	**XSFB1108** 132991 133039*	
1200	**XSFB1202** 150480 151692*	**XSFB1204** 132935 186367*	**XSFB1206** 284243 122286*	**XSFB1208** 284244 122287*	
1350	**XSFB13502** 150481 151693*	**XSFB13504** 143352 143488*	**XSFB13506** 143354 143490*	**XSFB13508** 132992 133040*	

Note * Finish in special RAL colour

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Frames (cont.) - compatible with xEnergy Light



VT10109 VT00811 VT10309 VT00111 wa_vt65713

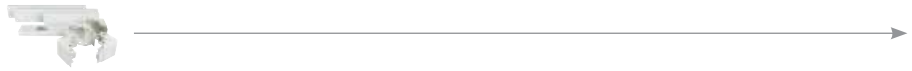
Section depth mm	Vertical profiles consists of 4 profiles Article No. per unit unit = 1 set	Vertical profiles for box solution, only 1 post Article No. per unit per unit	Vertical profiles for 5000 A application consists of 4 profiles Article No. per unit unit = 1 set	Corner section H = 2000 mm W = 650 mm D = 600 mm including rear wall and top panel Article No. per unit unit = 1 set	Corner section H = 2000 mm W = 850 mm D = 800 mm including rear wall and top panel Article No. per unit unit = 1 set	Corner section extension set 1050x1050 for 5000 A application Article No. per unit unit = 1 set	Add-on frame (section width 75 mm) Article No. per unit per unit	Add-on frame for 5000 A application Article No. per unit per unit
	XSFH20 284245 122288*	**XSFH20-1** 109254 122585*	**XSFH20-I-D** 150482 151694*	-	-	-	-	-
600	-		-	**XSC200606** 286388 141839*	-	-	**XSAF200106** 289908 122389*	-
800	-		-	-	**XSC200808** 288867 141840*	-	**XSAF200108** 289909 122390*	-
1000	-	-	-	-	-	**XSC200808-E10** 150522	-	**XSAF2000-150-1000** 150493 151703*

Note * Finish in special RAL colour

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Plinths - compatible with xEnergy Light

Consist of: 4x corner element, 2x side plate, 2x front cover/rear cover



VT08106



wa_vt66713

Section width mm	Plinth Height 100mm Depth 400mm Article No. per unit unit = 1 pc.	Plinth Height 100mm Depth 600mm Article No. per unit unit = 1 pc.	Plinth Height 100mm Depth 800mm Article No. per unit unit = 1 pc.	Plinth Height 100mm Depth 1000mm for 5000 A application Article No. per unit unit = 1 pc.	Plinth Height 200mm Depth 400mm Article No. per unit unit = 1 pc.	Plinth Height 200mm Depth 600mm Article No. per unit unit = 1 pc.	Plinth Height 200mm Depth 800mm Article No. per unit unit = 1 pc.	Plinth Height 200mm Depth 1000mm for 5000 A application Article No. per unit unit = 1 pc.	Plinth for corner sections Height 100mm Article No. per unit unit = 1 pc.	Plinth for corner sections Height 200mm Article No. per unit unit = 1 pc.
425	**XAP010404** 283822 122090*	**XAP010406** 283823 122091*	**XAP010408** 283824 122092*	**XAP010410** 150496 151707*	**XAP020404** 283836 122104*	**XAP020406** 283837 122105*	**XAP020408** 283838 122106*	**XAP020410** 150504 151715*	-	-
600	**XAP010604** 283825 122093*	**XAP010606** 283826 122094*	**XAP010608** 283827 122095*	**XAP010610** 150497 151708*	**XAP020604** 283839 122107*	**XAP020606** 283840 122108*	**XAP020608** 283841 122109*	**XAP020610** 150505 151716*	**XAP010606C** 288868 122381*	**XAP020606C** 288890 122383*
800	**XAP010804** 283828 122096*	**XAP010806** 283829 122097*	**XAP010808** 283830 122098*	**XAP010810** 150498 151709*	**XAP020804** 283842 122110*	**XAP020806** 283843 122111*	**XAP020808** 283844 122112*	**XAP020810** 150506 151717*	**XAP010808C** 288869 122382*	**XAP020808C** 288892 122384*
850	**XAP0108504** 143303 143439*	**XAP0108506** 143305 143441*	**XAP0108508** 143306 143442*	**XAP0108510** 150499 151710*	**XAP0208504** 143316 143452*	**XAP0208506** 143318 143454*	**XAP0208508** 143319 143455*	**XAP0208510** 150507 151718*	-	-
1000	**XAP011004** 283831 122099*	**XAP011006** 283832 122100*	**XAP011008** 283833 122101*	**XAP011010** 150500 151711*	**XAP021004** 283845 122113*	**XAP021006** 283846 122114*	**XAP021008** 283847 122115*	**XAP021010** 150508 151719*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
1100	**XAP011104** 143308 143444*	**XAP011106** 143310 143446*	**XAP011108** 133012 133060*	**XAP011110** 150501 151712*	**XAP021104** 143321 143457*	**XAP021106** 143323 143459*	**XAP021108** 133014 133062*	**XAP021110** 150509 151720*	-	-
1200	-	**XAP011206** 283834 122102*	**XAP011208** 283835 122103*	**XAP011210** 150502 151713*	-	**XAP021206** 283848 122116*	**XAP021208** 283849 122117*	**XAP021210** 150510 151721*	-	-
1350	**XAP0113504** 143312 143448*	**XAP0113506** 143314 143450*	**XAP0113508** 133013 133061*	**XAP0113510** 150503 151714*	**XAP0213504** 143325 143461*	**XAP0213506** 143327 143463*	**XAP0213508** 133015 133063*	**XAP0213510** 150511 151722*	-	-

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

Powering Business Worldwide

Plinths (cont.) - compatible with xEnergy Light

Consist of: 4x corner element, 2x side plate, 2x front cover/rear cover



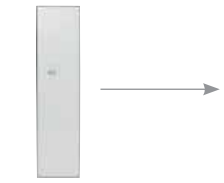
wa_vt69513

Frame width mm	Plinth for add-on frames height 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frames height 200 mm Article No. per unit unit = 1 pair	Frame width mm	Plinth for add-on frames height 100 mm Article No. per unit unit = 1 pair	Plinth for add-on frames height 200 mm Article No. per unit unit = 1 pair
75	**XAP0101AF** 289950 122391*	**XAP0201AF** 289951 122392*	150	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*

Note * Finish in special RAL colour

Powering Business Worldwide

Panels - compatible with xEnergy Light


VT07706


VT07906


wa_vt25213


wa_vt65613


VT22213

Section depth mm	Side panel for add-on frame up to IP55 Article No. per unit unit = 2 pcs.	Side panel up to IP55 Article No. per unit unit = 2 pcs.	Separation p. section/ section Article No. per unit unit = 1 pc.	Section width mm	Rear panel closed up to IP55 Article No. per unit unit = 1 pc.	Rear panel ventilated up to IP31 Article No. per unit unit = 1 pc.	Rear panel ventilated up to IP42 Article No. per unit unit = 1 pc.
200	-	**XAW2002** 150494 151706*	**XPSS2002** 150495	425	**XSWC2004** 284355 122346*	**XSWV2004** 284360 122351*	**XTSZRV4-W425** 172524
400	-	**XAW2004** 283856 122118*	**XPSS2004** 284781	600	**XSWC2006** 284356 122347*	**XSWV2006** 284361 122352*	**XTSZRV4-W600** 172525
600	**XAW2006AF** 292908 122407*	**XAW2006** 283857 122119*	**XPSS2006** 284178	800	**XSWC2008** 284357 122348*	**XSWV2008** 284362 122353*	**XTSZRV4-W800** 172526
800	**XAW2008AF** 292909 122408*	**XAW2008** 283858 122120*	**XPSS2008** 284179	850	**XSWC20085** 143416 143552*	**XSWV20085** 143417 143553*	**-**
				1000	**XSWC2010** 284358 122349*	**XSWV2010** 284363 122354*	**XTSZRV4-W1000** 172520
				1100	**XSWC2011** 133000 133048*	**XSWV2011** 133002 133050*	**XTSZRV4-W1100** 172521
				1200	**XSWC2012** 284359 122350*	**XSWV2012** 284364 122355*	**XTSZRV4-W1200** 172522
				1350	**XSWC20135** 133001 133049*	**XSWV20135** 133003 133051*	**XTSZRV4-W1350** 172523

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Top panels/Bottom panels - compatible with xEnergy Light



wa_vt25513



wa_vt08713



wa_vt25613

Section width mm	Top panel Bottom panel closed 200 mm depth up to IP55 for 5000 A appliances Article No. per unit unit = 1 pc.	Top panel Bottom panel closed 400 mm depth up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel closed 600 mm depth up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel closed 800 mm depth up to IP55 Article No. per unit unit = 1 pc.	Top panel ventilated 400 mm depth up to IP31 Article No. per unit unit = 1 pc.	Top panel ventilated 600 mm depth up to IP31 Article No. per unit unit = 1 pc.	Top panel ventilated 800 mm depth up to IP31 Article No. per unit unit = 1 pc.	Top panel Bottom panel with flanges 400 mm depth up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel with flanges 600 mm depth up to IP55 Article No. per unit unit = 1 pc.
425	**XSPTC0402** 150483 151695*	**XSPTC0404** 284301 122316*	**XSPTC0406** 284302 122317*	**XSPTC0408** 284303 122318*	**XAD0404** 283484 122076*	**XAD0406** 283485 122077*	**XAD0408** 283486 122078*	**XSPTF0404** 284316 122331*	**XSPTF0406** 284317 122332*
600	**XSPTC0602** 150484 151696*	**XSPTC0604** 284304 122319*	**XSPTC0606** 284305 122320*	**XSPTC0608** 284306 122321*	**XAD0604** 283487 122079*	**XAD0606** 283488 122080*	**XAD0608** 283489 122081*	**XSPTF0604** 284319 122334*	**XSPTF0606** 284320 122335*
800	**XSPTC0802** 150485 151697*	**XSPTC0804** 284307 122322*	**XSPTC0806** 284308 122323*	**XSPTC0808** 284309 122324*	**XAD0804** 283810 122082*	**XAD0806** 283811 122083*	**XAD0808** 283812 122084*	**XSPTF0804** 284322 122337*	**XSPTF0806** 284323 122338*
850	**XSPTC08502** 150486 151698*	**XSPTC08504** 143391 143527*	**XSPTC08506** 143393 143529*	**XSPTC08508** 143394 143530*	**XAD08504** 143289 143425*	**XAD08506** 143291 143427*	**XAD08508** 143292 143428*	**XSPTF08504** 143404 143540*	**XSPTF08506** 143406 143542*
1000	**XSPTC1002** 150487 151699*	**XSPTC1004** 284310 122325*	**XSPTC1006** 284311 122326*	**XSPTC1008** 284312 122327*	**XAD1004** 283813 122085*	**XAD1006** 283814 122086*	**XAD1008** 283815 122087*	**XSPTF1004** 284325 122340*	**XSPTF1006** 284326 122341*
1100	**XSPTC1102** 150488 151700*	**XSPTC1104** 143396 143532*	**XSPTC1106** 143398 143534*	**XSPTC1108** 133004 133052*	**XAD1104** 143294 143430*	**XAD1106** 143296 143432*	**XAD1108** 133010 133058*	**XSPTF1104** 143409 143545*	**XSPTF1106** 143411 143547*
1200	**XSPTC1202** 150489 151701*	**XSPTC1204** 284313 122328*	**XSPTC1206** 284314 122329*	**XSPTC1208** 284315 122330*	**-**	**XAD1206** 283816 122088*	**XAD1208** 283817 122089*	**XSPTF1204** 284328 122343*	**XSPTF1206** 284329 122344*
1350	**XSPTC13502** 150490 151702*	**XSPTC13504** 143400 143536*	**XSPTC13506** 143402 143538*	**XSPTC13508** 133005 133053*	**XAD13504** 133299 143435*	**XAD13506** 143301 143437*	**XAD13508** 133011 133059*	**XSPTF13504** 143413 143549*	**XSPTF13506** 143415 143551*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

Powering Business Worldwide

Top panels/Bottom panels (cont.) - compatible with xEnergy Light



wa_vt63213



wa_vt25313

Section width mm	Top panel Bottom panel with flanges 800 mm depth up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel with flanges 600 mm depth f. XF sections up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel with flanges 800 mm depth f. XF sections up to IP55 Article No. per unit unit = 1 pc.	Top panel Bottom panel in sev. parts 400 mm depth up to IP30 [1] Article No. per unit unit = 1 pc.	Top panel Bottom panel in sev. parts 400 mm depth 2 openings up to IP30 [1] Article No. per unit unit = 1 pc.	Top panel Bottom panel in sev. parts 600 mm depth up to IP30 [1] Article No. per unit unit = 1 pc.	Top panel Bottom panel in sev. parts 600 mm depth 2 openings up to IP30 [1] Article No. per unit unit = 1 pc.	Top panel Bottom panel in several parts 800 mm depth up to IP30 [1] Article No. per unit unit = 1 pc.
425	**XSPTF0408** 284318 122333*	-	-	**XSPBM0404** 284286 122301*	-	**XSPBM0406** 284287 122302*	-	**XSPBM0408** 284288 122303*
600	**XSPTF0608** 284321 122336*	**XSPTF0606-XF** 121440 122626*	**XSPTF0608-XF** 121441 122627*	**XSPBM0604** 284289 122304*	-	**XSPBM0606** 284290 122305*	-	**XSPBM0608** 284291 122306*
800	**XSPTF0808** 284324 122339*	**XSPTF0806-XF** 121442 122628*	**XSPTF0808-XF** 121443 122629*	**XSPBM0804** 284292 122307*	-	**XSPBM0806** 284293 122308*	**XSPBM0806-1** 104533 122425	**XSPBM0808** 284294 122309*
850	**XSPTF08508** 143407 143543*	-	-	**XSPBM08504** 143365 143501*	-	**XSPBM08506** 143367 143503*	-	**XSPBM08508** 143368 143504*
1000	**XSPTF1008** 284327 122342*	**XSPTF1006-XF** 121444 122630*	**XSPTF1008-XF** 121445 122631*	**XSPBM1004** 284295 122310*	-	**XSPBM1006** 104529 122421*	**XSPBM1006-1** 284296 122311	**XSPBM1008** 104530 122422*
1100	**XSPTF1108** 133006 133054*	-	-	**XSPBM1104** 143370 143506*	-	**XSPBM1106** 143372 143508*	-	**XSPBM1108** 133008 133056*
1200	**XSPTF1208** 284330 122345*	**XSPTF1206-XF** 121446 122632*	**XSPTF1208-XF** 121447 122633*	**XSPBM1204** 132962 186378*	**XSPBM1204-1** 284298 122313*	**XSPBM1206** 104531 122423*	**XSPBM1206-1** 284299 122314	**XSPBM1208** 104532 122424*
1350	**XSPTF13508** 133007 133055*	-	-	**XSPBM13504** 143374 143510*	-	**XSPBM13506** 143376 143512*	-	**XSPBM13508** 133009 133057*

. . . also for use in the Main Bus Bar Top (BBT) system

Note

* Finish in special RAL colour

[1] With cellular rubber sealing. In case of large cable cross-sections it may be necessary to provide for the appropriate degree of protection through additional measures.

EATON Powering Business Worldwide

Top panels/Bottom panels (cont.) - compatible with xEnergy Light


wa_vt25313


wa_vt66113


wa_vt62613


wa_vt62713

Section width mm	Top panel Bottom panel in sev. parts 800 mm depth 2 openings up to IP30 [1] Article No. per unit unit = 1 pc.	Top panel with arc fault protection 400 mm depth IP30 Article No. per unit unit = 1 pc.	Top panel with arc fault protection 600 mm depth IP30 Article No. per unit unit = 1 pc.	Top panel with arc fault protection 800 mm depth IP30 Article No. per unit unit = 1 pc.	Bottom panel galvanized 400 mm depth up to IP55 Article No. per unit unit = 1 pc.	Bottom panel galvanized 600 mm depth up to IP55 Article No. per unit unit = 1 pc.	Bottom panel galvanized 800 mm depth up to IP55 Article No. per unit unit = 1 pc.	Bottom panel galvanized 600 mm depth for XF sections up to IP55 Article No. per unit unit = 1 pc.
425	-	**XSPTA0404** 107256 122515*	**XSPTA0406** 107257 122516*	**XSPTA0408** 107258 122517*	**XSPBU0404** 119910	**XSPBU0406** 119914	**XSPBU0408** 119919	-
600	-	**XSPTA0604** 107259 122518*	**XSPTA0606** 107280 122519*	**XSPTA0608** 107281 122520*	**XSPBU0604** 119911	**XSPBU0606** 119915	**XSPBU0608** 119920	**XSPBU0606-42** 119924
800	**XSPBM0808-1** 104534 122426*	**XSPTA0804** 107282 122521*	**XSPTA0806** 107283 122522*	**XSPTA0808** 107284 122523*	**XSPBU0804** 119912	**XSPBU0806** 119916	**XSPBU0808** 119921	**XSPBU0806-62** 119925
	-	-	-	-	-	-	-	**XSPBU0806-44** 119926
850	-	**XSPTA08504** 143378 143514*	**XSPTA08506** 143380 143516*	**XSPTA08508** 143381 143517*	**XSPBU08504** 143214	**XSPBU08506** 143216	**XSPBU08508** 143217	-
1000	**XSPBM1008-1** 284297 122312*	**XSPTA1004** 107285 122524*	**XSPTA1006** 107286 122525*	**XSPTA1008** 107287 122526*	**XSPBU1004** 119913	**XSPBU1006** 119917	**XSPBU1008** 119922	**XSPBU1006-64** 119927
1100	-	**XSPTA1104** 143383 143519*	**XSPTA1106** 143385 143521*	**XSPTA1108** 133016 133064*	**XSPBU1104** 143219	**XSPBU1106** 143221	**XSPBU1108** 143222	-
1200	**XSPBM1208-1** 284300 122315*	**XSPTA1204** 107288 122527*	**XSPTA1206** 107289 122528*	**XSPTA1208** 107290 122529*	-	**XSPBU1206** 119918	**XSPBU1208** 119923	-
1350	-	**XSPTA13504** 143387 143523*	**XSPTA13506** 143389 143525*	**XSPTA13508** 133017 133065*	**XSPBU13504** 143224	**XSPBU13506** 143226	**XSPBU13508** 143227	-

. . . also for use in the Main Bus Bar Top (BBT) system

Note

* Finish in special RAL colour

[1] With cellular rubber sealing. In case of large cable cross-sections it may be necessary to provide for the appropriate degree of protection through additional measures.

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Top panels/Bottom panels (cont.) - compatible with xEnergy Light

For configuration (bottom panel) see pages xx in the Technical Data section



wa_vt62713



wa_vt14313

wa_vt14213

Section width mm	Bottom panel galvanized 600 mm depth for PIFT sect. up to IP55 Article No. per unit unit = 1 set	Bottom panel galvanized 600 mm depth for PIFT sect.r with door to switchgear a. up to IP55 Article No. per unit unit = 1 set	Bottom panel galvanized 800 mm depth for XF sect. up to IP55 Article No. per unit unit = 1 set	Bottom panel galvanized 800 mm depth for PIFT sect.. up to IP55 Article No. per unit unit = 1 set	Bottom panel galvanized for PIFT sect. with door to switchgear a. up to IP55 Article No. per unit unit = 1 set	Bottom panel with foam 40 mm width of sect. 400-1200 mm up to IP20 Article No. per unit unit = 1 pc.	Bottom panel with foam 40 mm depth of sect. 400-800 mm up to IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35 mm section width 400-1200 mm without foam up to IP20 Article No. per unit unit = 1 pc.
425	-	-	-	-	-	**XSPBA0401** 107679 122530*	**XSPBA0104** 107684 122535*	**XSPBAC0401** 107687 122538*
600	-	-	**XSPBU0608-42** 119932	-	-	**XSPBA0601** 107680 122531*	**XSPBA0106** 107685 122536*	**XSPBAC0601** 107688 122539*
	-	-	**XSPBU0608-62** 119933	-	-	**XSPBA0601** 107680 122531*	**XSPBA0106** 107685 122536*	**XSPBAC0601** 107688 122539*
800	-	-	**XSPBU0808-44** 119934	-	-	**XSPBA0801** 107681 122532*	**XSPBA0108** 107686 122537*	**XSPBAC0801** 107689 122540*
850	-	-	-	-	-	**XSPBA08501** 143355 143491*	-	**XSPBAC08501** 143358 143494*
1000	**XSPBU1006-64-S** 119928	**XSPBU1006-73-S** 119929	**XSPBU1008-64** 119935	**XSPBU1008-64-S** 119936	**XSPBU1008-73-S** 119937	**XSPBA1001** 107682 122533*	-	**XSPBAC1001** 107690 122541*
1100	-	-	-	-	-	**XSPBA1101** 143356 143492*	-	**XSPBAC1101** 143360 143496*
1200	**XSPBU1206-66-S** 119930	**XSPBU1206-75-S** 119931	-	**XSPBU1208-66-S** 119938	**XSPBU1208-75-S** 119939	**XSPBA1201** 107683 122534*	-	**XSPBAC1201** 107691 122542*
1350	-	-	-	-	-	**XSPBA13501** 143357 143493*	-	**XSPBAC13501** 143362 143498*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Top panels/Bottom panels (cont.) - compatible with xEnergy Light

For configuration (bottom panel) see pages xx in the Technical Data section



wa_vt14113 wa_vt14213 wa_vt14113 wa_vt25513

Section width mm	Bottom panel width 110 mm width of sect. 400-1200 mm without foam up to IP20 Article No. per unit unit = 1 pc.	Bottom panel width 35 mm depth of sect. 400-800 mm without foam up to IP20 Article No. per unit unit = 1 pc.	Bottom panel width 110 mm depth of sect. 400-800 mm without foam up to IP20 Article No. per unit unit = 1 pc.	Bottom panel width 700 mm for PIFT switchgear a. without foam up to IP20 Article No. per unit unit = 1 pc.	Top panel Bottom panel for corner sect. up to IP55 Article No. per unit unit = 1 pc.	
425	**XSPBAC0402** 107692 122543*	**XSPBAC0104** 107697 122548*	**XSPBAC0204** 107700 122551*	**XSPBAC0702** 107981 122554*	-	
600	**XSPBAC0602** 107693 122544*	**XSPBAC0106** 107698 122549*	**XSPBAC0206** 107701 122552*	-	**XSPBC0606C** 288995 122385*	
800	**XSPBAC0802** 107694 122545*	**XSPBAC0108** 107699 122550*	**XSPBAC0208** 107702- 122553*	-	-	
850	**XSPBAC08502** 143359 143495*	-	-	-	-	
1000	**XSPBAC1002** 107695 122546*	-	-	-	-	
1100	**XSPBAC1102** 143361 143497*	-	-	-	-	
1200	**XSPBAC1202** 107696 122547*	-	-	-	-	
1350	**XSPBAC13502** 143363 143499*	-	-	-	-	

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Doors - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.



wa_vt65313 wa_vt65513 wa_vt65413 wa_vt63013 wa_vt71113 wa_vt65113 wa_vt65013

Section width mm	Door to switchgear a. closed left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Door to switchgear a. ventilated left up to IP31 Article No. per unit unit = 1 pc.	Door to switchgear a. ventilated right up to IP31 Article No. per unit unit = 1 pc.	Door to switch-gear area with 96/96 cut-out for measuring devices up to IP55 Article No. per unit unit = 1 pc.	Door to switch-gear area with 144/144 cut-out for measuring devices up to IP55 Article No. per unit unit = 1 pc.	Section door closed left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Section door with glass (transparent) left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Section door ventilated left up to IP31 Article No. per unit unit = 1 pc.
	Doors in 3 parts					**Doors as high as section**		
425	**XSDMC0604** 284194 122240*	**XSDMLV0604** 284205 122251*	**XSDMRV0604** 284214 122260*	**XSDMC0604-1-96** 112317 122607*	**XSDMC0604-1-144** 112327 122612*	**XSDMC2004** 284198 122244*	**XSDMD2004** 284203 122249*	**XSDMLV2004** 284209 122255*
600	**XSDMC0606** 284195 122241*	**XSDMLV0606** 284206 122252*	**XSDMRV0606** 284215 122261*	**XSDMC0606-1-96** 112318 122608*	**XSDMC0606-1-144** 112328 122613*	**XSDMC2006** 284199 122245*	**XSDMD2006** 284204 122250*	**XSDMLV2006** 284210 122256*
800	**XSDMC0608** 284196 122242*	**XSDMLV0608** 284207 122253*	**XSDMRV0608** 284216 122262*	**XSDMC0608-1-96** 112319 122609*	**XSDMC0608-1-144** 112329 122614*	**XSDMC2008** 284200 122246*	**XSDMD2008** 284701 122358*	**XSDMLV2008** 284211 122257*
850	-	-	-	-	-	**XSDMC20085** 143330 143466*	**XSDMD20085** 143333 143469*	**XSDMLV20085** 143338 143474*
1000	**XSDMC0610** 285506 122374*	**XSDMLV0610** 285507 122375*	**XSDMRV0610** 285508 122376*	**XSDMC0610-1-96** 112320 122610*	**XSDMC0610-1-144** 112330 122615*	**XSDMC2010** 284201 122247*	**XSDMD2010-S**[1)] 143334 143470*	**XSDMLV2010** 284212 122258*
1000	-	-	-	-	-	**XSDMC2010-S**[1)] 132952	-	-
1100	**XSDMC0611** 132995 133043*	**XSDMLV0611** 132999 133047*	**XSDMRV0611** 132997 133045*	**XSDMC0611-1-96** 143329 143465*	**XSDMC0611-1-144** 143328 143464*	**XSDMC2011-S**[1)] 143331 143467*	**XSDMD2011-S**[1)] 143335 143471*	**XSDMLV2011-S**[1)] 143340 143476*
1200	**XSDMC0612** 284197 122243*	**XSDMLV0612** 284208 122254*	**XSDMRV0612** 284217 122263*	**XSDMC0612-1-96** 112321 122611*	**XSDMC0612-1-144** 112331 122616*	**XSDMC2012-S**[1)] 284202 122248*	**XSDMD2012-S**[1)] 143336 143472*	**XSDMLV2012-S**[1)] 284213 122259*
1350	**XSDMC06135** 132996 133044*	**XSDMV06135** 132998 133046*	**XSDMV06135** 132998 133046*	**XSDMC06135-1-96** 143285 149196*	**XSDMC06135-1-144** 143284 149195*	**XSDMC20135-S**[1)] 143332 143468*	**XSDMD20135-S**[1)] 143337 143473*	**XSDMLV20135-S**[1)] 143341 143477*

. . . also for use in the Main Bus Bar Top (BBT) system

Note

* Finish in special RAL colour

[1)] Double-winged door

EATON Powering Business Worldwide

Doors (cont.) - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.


wa_vt34213


VT22613


VT10513


wa_vt34513


wa_vt65013


wa_vt34213


wa_vt65113

Section width mm	Section door ventilated right up to IP31 Article No. per unit unit = 1 pc.	Section door ventilated left IP42 Article No. per unit unit = 1 pc.	Section door ventilated right IP42 Article No. per unit unit = 1 pc.	Doors to switchgear a. f. XF sections closed left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Doors to switchgear a. f. XF sections ventilated left up to IP31 Article No. per unit unit = 1 pc.	Doors to switchgear a. f. XF sections ventilated right up to IP31 Article No. per unit unit = 1 pc.	Doors to switchgear a. f. XF sections with glass (transparent) left and right hingeable up to IP55 Article No. per unit unit = 1 pc.
				Doors to switchgear area			
425	**XSDMRV2004** 284218 122264*	**XTSZDSKV4L-H2000W425** 172497	**XTSZDSKV4R-H2000W425** 172500	**XSDFMC2004** 284184 122232*	**XSDFMLV2004** 284188 122236*	**XSDFMRV2004** 284190 122238*	**XSDFMD2004** 284186 122234*
600	**XSDMRV2006** 284219 122265*	**XTSZDSKV4L-H2000W600** 172498	**XTSZDSKV4R-H2000W600** 172501	**XSDFMC2006** 284185 122233*	**XSDFMLV2006** 284189 122237*	**XSDFMRV2006** 284191 122239*	**XSDFMD2006** 284187 122235*
800	**XSDMRV2008** 284220 122266*	**XTSZDSKV4L-H2000W800** 172499	**XTSZDSKV4R-H2000W800** 172502	-	-	-	-
850	**XSDMRV20085** 143339 143475*	-	-	-	-	-	-
1000	**XSDMRV2010** 284221 122267*	**XTSZDSKV4L-H2000W1000** 172701	**XTSZDSKV4R-H2000W1000** 172702	-	-	-	-
1200	**XSDMRV2012-S** 284202 122268*	-	**XTSZDSKV4S-H2000W1200** 172504	-	-	-	-

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

Powering Business Worldwide

Doors (cont.) - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.



VT01311

Section width mm	Doors to switchgear a. closed H = 300 mm up to IP55 Article No. per unit unit = 1 pc.	Doors to switchgear a. closed H = 350 mm up to IP55 Article No. per unit unit = 1 pc.	
	Doors to switchgear area		
425	**XSDMC0304** 166747 166760*	**XSDMC03504** 166746 166759*	
600	**XSDMC0306** 166749 166762*	**XSDMC03506** 166748 166761*	
800	**XSDMC0308** 132916 132919*	**XSDMC03508** 132917 132920*	
	Double winged doors		
800	-	**XSDMC03508-S** 132918 132921*	
1000	**XSDMC0310-S** 167571 167529*	**XSDMC03510-S** 167570 167576*	
1100	**XSDMC0311-S** 167573 167531*	**XSDMC03511-S** 167572 167530*	
1350	**XSDMC03135-S** 167575 167533*	**XSDMC035135-S** 167574 167532*	

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Doors (cont.) - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.



wa_vt65213



wa_vt34513

Connection area width mm	Door to connection a. for SSL closed up to IP55 Article No. per unit unit = 1 pc.	Door to connection a. for SSL ventilated left up to IP31 Article No. per unit unit = 1 pc.	Door to connection a. for SSL ventilated right up to IP31 Article No. per unit unit = 1 pc.	Connection area width mm	Door to connection a. f. XF sections closed up to IP55 Article No. per unit unit = 1 pc.	
	Doors to connection area					
300	**XSDSCC2003** 158591 158601*	**XSDSCLV2003** 158586 158596*	**XSDSCRV2003** 284226 122269*	200	**XSDFCC2002** 284182 122230*	
425	**XSDSCC2004** 158592 158602*	**XSDSCLV2004** 158587 158597*	**XSDSCRV2004** 284227 122270*	200	**XSDFCC2002-1** 284700 122357*	
500	**XSDSCC2005** 158593 158603*	**XSDSCLV2005** 158588 158598*	**XSDSCRV2005** 284228 122271*	400	**XSDFCC2004** 284183 122231*	
600	**XSDSCC2006** 158594 158604*	**XSDSCLV2006** 158589 158599*	**XSDSCRV2006** 284229 122272*	425	**XSDFMC2004** 284184 122232*	
				600	**XSDFCC2006** 102052 122416*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Doors (cont.) - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.



wa_vt65013

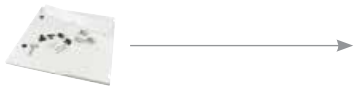
Switchgear area width mm	Door to switch-gear area for SSL sections closed up to IP55 Article No. per unit unit = 1 pc.	Door to switch-gear area for SSL sections ventilated left up to IP31 Article No. per unit unit = 1 pc.	Door to switch-gear area for SSL sections ventilated right up to IP31 Article No. per unit unit = 1 pc.	
	Doors to switchgear area			
600	**XSDSMC2007** 158595 158605*	**XSDSMLV2007** 284230 122273*	**XSDSMRV2007** 158590 158600*	

Note * Finish in special RAL colour

Powering Business Worldwide

Doors for Box Solution - compatible with xEnergy Light

Hinge included. Standard = two-way key bit lock 3 mm.



wa_vt63113

Height mm	For standard XF section with cable connection area	Doors to switchgear a. width 425 mm left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Doors to switchgear a. width 600 mm left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	For standard XF section without cable connection area	Doors to switchgear a. width 600 mm left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	Doors to switchgear a. width 800 mm left and right hingeable up to IP55 Article No. per unit unit = 1 pc.	
		Doors for Box Solution					
200		**XSDFMC0204** 109240 122573*	**XSDFMC0206** 109246 122579*		**XSDBSC0206** 167537 167543*	**XSDBSC0208** 171686 171713*	
250		-	-		**XSDBSC02506** 171680 171707*	**XSDBSC02508** 171687 171714*	
300		**XSDFMC0304** 109241 122574*	**XSDFMC0306** 109247 122580*		**XSDBSC0306** 167538 167544*	**XSDBSC0308** 171688 171715*	
350		**XSFDMC0304-1** 109242 122575*	**XSDFMC0306-1** 109248 122581*		**XSDBSC03506** 167539 167545*	**XSDBSC03508** 171689 171716*	
400		**XSDFMC0404** 109243 122576*	**XSDFMC0406** 109249 122582*		**XSDBSC0406** 167540 167546*	**XSDBSC0408** 171690 171717*	
500		**XSDFMC0504** 109244 122577*	**XSDFMC0506** 109250 122583*		**XSDBSC0506** 167541 167547*	**XSDBSC0508** 171691 171718*	
600		**XSDFMC0604** 109245 122578*	**XSDFMC0606** 109251 122584*		**XSDBSC0606** 167542 167548*	**XSDBSC0608** 171692 171719*	
800		-	-		**XSDBSC0806** 171681 171708*	**XSDBSC0808** 171693 171720*	
975		-	-		**XSDBSC097506** 171682 171709*	**XSDBSC097508** 171694 171721*	
1000		-	-		**XSDBSC1006** 171683 171710*	**XSDBSC1008** 171695 171722*	
1200		-	-		**XSDBSC1206** 171684 171711*	**XSDBSC1208** 171696 171723*	

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Fitting Kits for XP Sections

IZMX16 . . . . . Page xx
IZM 20 . . . . . Page xx
IZM 32 . . . . . Page xx
IZM 40 . . . . . Page xx
IZM 63 . . . . . Page xx
IZM 58 . . . . . Page xx
IZMX40 . . . . . Page xx
IZM 13 . . . . . Page xx
NZM 3 Form 4 . . . . . Page xx
NZM 4 Form 2/4 . . . . . Page xx

Powering Business Worldwide

Overview of fitting kits for IZMX 16

Including base plate, front plate, fastening bracket and fastening material. Right hand hinged module door.



VT21809

Version 1: Fixed installation type
Version 2: Withdrawable
Version 3: Fixed, incl. mechanical locking
Version 4: Withdrawable, incl. mechanical lcoking
Version 5: Withdrawable, incl. position indicator
O = OPPO
E = EVEN

Key: XMI16/3+4/06/08/F+W/E+O

- Type
- Size of c.b.
- Number of poles
- Width of section
- Depth of section
- Installation type
- Connection type

Fitting kit Article No. per unit	Fitting kit with modular door Article No. per unit	Poles OPPO/EVEN Version	301	302	303	304	305	3E1	3E2	3E3	3E4	3E5	401	402	403	404	405	4E1	4E2	4E3	4E4	4E5
Cicuit breaker IZMX 16																						
XMI16/3__/04/06/F__/E+O 132970 133018*	**XMI16/3__/04/06/F__/E+O/D** 134441 134462*		X					X														
XMI16/3+4/06/06/F__/E+O 132971 133019*	**XMI16/3+4/06/06/F__/E+O/D** 134442 134463*		X					X					X					X				
XMI16/3__/04/06/__W/E+O 132972 133020*	**XMI16/3__/04/06/__W/E+O/D** 134443 134464*			X					X													
XMI16/3+4/06/06/__W/E+O 132973 133021*	**XMI16/3+4/06/06/__W/E+O/D** 134444 134465*			X					X					X					X			

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Overview of fitting kits for IZMX16 – Side/Side

Incl. top/rear/bottom partition,
Incl. carrier plate and fixing material
(Not included: snap-on covers)



VT68514

Key: XMIX16F0802

- Type
- Frame size
- Installation type
- Section width
- Number of poles

Section width mm	Installation type	Type Article No. per unit
800	Fixed	**XMIX16F0802** 174555
1000	Fixed	**XMIX16F1002** 174556
800	Withdrawable	**XMIX16W0802** 174557
1000	Withdrawable	**XMIX16W1002** 174558

Snap-on covers for IZMX16 – Side/Side

Incl. 2 snap-on covers, fixing brackets and screws



VT68114

Section width mm	Installation type	Type Article No. per unit
800	Fixed	**XMIX16F0802C** 174559
1000	Fixed	**XMIX16F1002C** 174560
800	Withdrawable	**XMIX16W0802C** 174561
1000	Withdrawable	**XMIX16W1002C** 174562

Vertical separation panel/partition for IZMX16 – Side/Side

Incl. vertical separation panel, vertical and horizontal carrier profiles, mounting blocks and all screws



VT65614

Section width mm	Installation type	Type Article No. per unit
800	Fixed Withdrawable	**XMIX16CCB-B-06** 174567
1000	Fixed Withdrawable	**XMIX16CCB-B-08** 174568

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Overview of fitting kits for IZM 63

Including base plate, front plate, fastening bracket and fastening material. Right hand hinged module doors.



VT21809

Version 1: Fixed installation type
Version 2: Withdrawable
Version 3: Fixed, incl. mechanical locking
Version 4: Withdrawable, incl. mechanical locking
Version 5: Withdrawable, with position indicator
O = OPPO
E = EVEN

Key: XMI63/3+4/06/08/F+W/E+O

- Type
- Size of c.b.
- Number of poles
- Width of section
- Depth of section
- Installation type
- Connection type

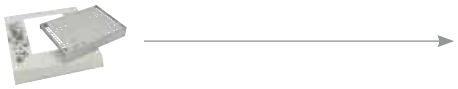
Fitting kit Article No. per unit	Fitting kit with modular door Article No. per unit	Poles OPPO/EVEN Version	301	302	303	304	305	3E1	3E2	3E3	3E4	3E5	401	402	403	404	405	4E1	4E2	4E3	4E4	4E5
Cicuit breaker IZM 63																						
XMI63/3__/11/08/F+W/E+O 132989 133037*	**XMI63/3__/11/08/F+W/E+O/D** 132989 133037*		X	X				X	X													
XMI63/3+4/135/08/F+W/E+O 132990 133038*	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482*		X	X	X	X	X	X	X	X	X	X	X	X				X	X			
XMI63/3+4/135/08/F+W/E+O 132990 133038* in combination with XSMIB20-Z, No. 150399 and intermediate frame (XSAF200108, No. 289909)	**XMI63/3+4/135/08/F+W/E+O/D** 134461 134482* in combination with XSMIB20-Z, No. 150399 and intermediate frame (XSAF200108, No. 289909)														X	X	X			X	X	X

Note * Finish in special RAL colour

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Overview of Fitting Kits for IZMX40

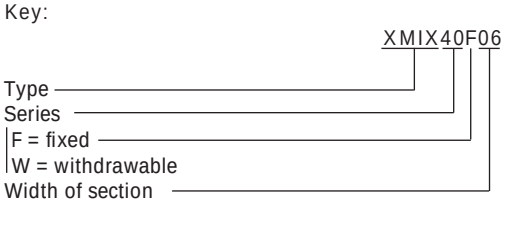
Base plate, front cover with bayonet fixing, fastening bracket and screw material



VT21709

Section width mm	IZMX40 in section d. of 600/800mm Fixed design in OPPO/EVEN Article No. per unit	IZMX40 in section d. of 600/800mm Withdrawable in OPPO Article No. per unit	IZMX40 in section depth of 600mm Withdrawable in EVEN Article No. per unit
600	**XMIX40F06** 166751 166764*	**XMIX40W06** 166754 166767*	**XMIX40W06-50** 166757 166770*
800	**XMIX40F08** 166752 166765*	**XMIX40W08** 166755 166768*	**XMIX40W08-50** 166758 166771*
1000	**XMIX40F10**** 166753 166766*	**XMI40W10**** 166756 166769*	

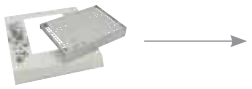
Key:



Number of poles:
Width of section 600 mm = 3poles
Width of section 600-1000 mm = 3+4 poles

Overview of Fitting Kits for IZMX40

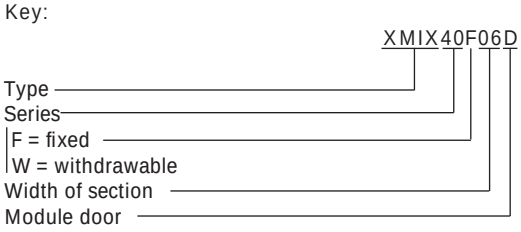
Base plate, front cover/module door, hinges and screw material incl.



VT21709

Section width mm	IZMX40 in section d. of 600/800mm Fixed design in EVEN/OPPO Article No. per unit	IZMX40 in section d. of 600/800mm Withdrawable in EVEN/OPPO Article No. per unit
600	**XMIX40F06D** 171670	**XMIX40W06D** 171673
800	**XMIX40F08D** 171671	**XMIX40W08D** 171674
1000	**XMIX40F10D** 171672	**XMIX40W10D** 171675

Key:



Number of poles:
Width of section 600 mm = 3poles
Width of section 600-1000 mm = 3+4 poles

Note

* Finish in special RAL colour
** 1000mm section width is only possible with a section depth of 800mm

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Terminal Connection Set



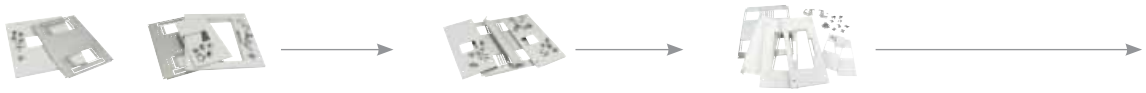
sg01715

Selection of the Connection Sets according to the specifications of the operating instructions	Terminal-Connection Set 3-pole Article No. per unit	Terminal-Connection Set 4-pole Article No. per unit	
	IZMX-TSET1 177176	**IZMX-TSET3** 177178	
	IZMX-TSET2 177177	**IZMX-TSET4** 177179	
	IZMX-TSET5 177180	**IZMX-TSET8** 177183	
	IZMX-TSET6 177181	**IZMX-TSET9** 177184	
	IZMX-TSET7 177182		
	IZMX-TSET10 177185		

Powering Business Worldwide

Fitting kits NZM 3 Form 4

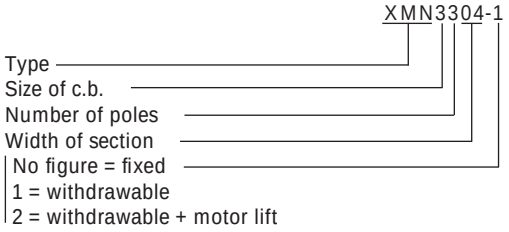
Including base plate, front plate, fastening bracket, cross ridges and fastening material.



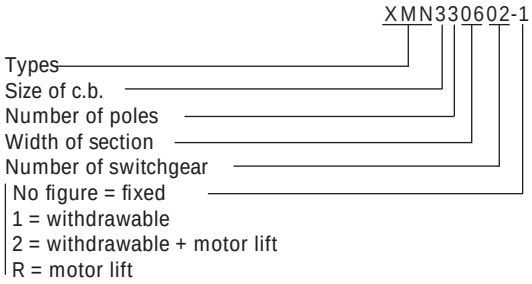
VT21909 VT21609 VT22009 VT01609

Section width mm	Fitting kit for NZM 3 in incoming/ outgoing sect. Article No. per unit	Fitting kit for NZM 3 in incoming/ outgoing sect. Outgoing s. is withdrawable Article No. per unit	Fitting kit for NZM 3 in incoming/ outgoing s. Outgoing s. is withdrawable with motor lift Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect withdrawable Article No. per unit	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect with motor lift Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect. withdrawable Article No. per unit
	NZM 3 Form 4							
425	**XMN3304** 124411 124412*	**XMN3304-1** 129009 129012*	**XMN3304-2** 129010 129013*	-	-	-	-	-
600	-	-	-	**XMN330602** 107982 122555*	**XMN340602** 107983 122556*	**XMN330602-1** 110274 122602*	**XMN330602-R** 110277 122605*	-
800	-	-	-	-	-	-	-	**XMN340802-1** 110275 122603*

Key to single fitting kits:



Key to double fitting kits:



Note * Finish in special RAL colour

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Fitting kits NZM 3 Form 4 (cont.)

Including base plate, front plate, fastening bracket, cross ridges and fastening material.



VT01609

Section width mm	Fitting kit for 2 NZM 3 3 poles in incoming/ outgoing sect. withdrawable with motor lift Article No. per unit	Fitting kit for 2 NZM 3 4 poles in incoming/ outgoing sect. withdrawable with motor lift Article No. per unit	
	NZM 3 Form 4		
425	-	-	
600	**XMN330602-2** 125995 125996*	-	
800	-	**XMN340802-2** 125997 125998*	

Note * Finish in special RAL colour

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Powering Business Worldwide

Mounting Plates NZM 3 Form 4



wa_vt69113

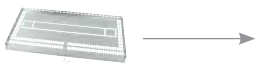


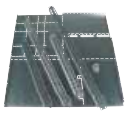
wa_vt62813

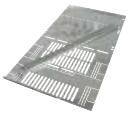
Section width mm	Partition switchgear area/ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/ main busbar swivel-mounted Article No. per unit unit = 1 pc.	
425	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	
600	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	
800	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	

Powering Business Worldwide

Partitions NZM 3 Form 4


wa_vt62413


VT00911


wa_vt72013


wa_vt70913


wa_vt70513

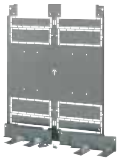
Section width mm	Partition connection a./ switchgear a. Form 4 Article No. per unit unit = 1 pc.	Partition switchgear a./ switchgear a. Form 4 Article No. per unit unit = 1 pc.	Separation p. between connection areas of 2x NZM3 Article No. per unit unit = 1 pc.	Partition between feeder copper and connection copper on main busbar with Form 4 only f. EVEN Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 600mm Form 4 Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 800mm Form 4 Article No. per unit unit = 1 pc.	Partition connection area Form 4 Article No. per unit unit = 1 pc.
425	**XPNMCB04** 284174	**XPMMB0404** 284163	**XPNCCB** 126009	**XPNBCB-E-04** 121448	**XPNBCB0402** 289174	**XPNBCB0404** 289176	**XPC0604** 284115
600	**XPNMCB06** 284175	**XPMMB0604** 284164	**-**	**XPNBCB-E-06** 121449	**XPNBCB0602** 289175	**XPNBCB0604** 289177	**XPC0606** 284116
800	**XPNMCB08** 116455	**XPMMB0804** 284165	**-**	**XPNBCB-E-08** 121450	**XPNBCB0802** 118735	**XPNBCB0804** 118736	**XPC0608** 284117

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Mounting Plates NZM 4 Form 2/4



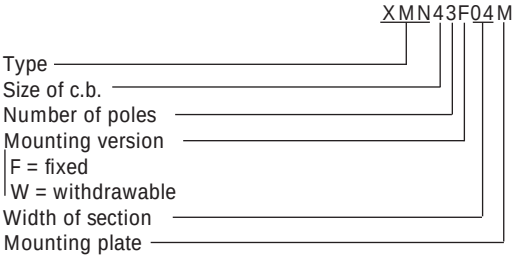
VT00909



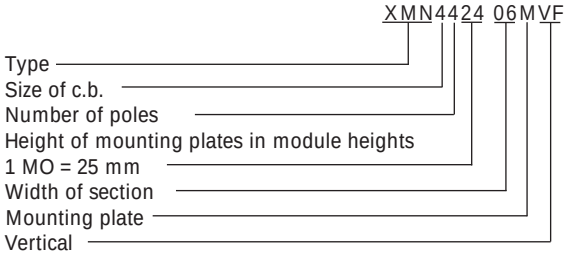
vt04015

Section width mm	Mounting plate NZM 4 incoming/ outgoing s. fixed/ withdrawable/ motor lift width 425 mm Article No. per unit unit = 1 pc.	Mounting plate NZM 4 incoming/ outgoing s. fixed/ withdrawable/ motor lift width 600 mm Article No. per unit unit = 1 pc.	Mounting plate NZM 4 incoming/ outgoing s. fixed/ withdrawable/ motor lift width 800 mm Article No. per unit unit = 1 pc.	Mounting plate NZM 4 3 poles incoming/ outgoing s. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate NZM 4 3 poles incoming/ outgoing s. withdrawable/ motor lift Article No. per unit unit 1 pc.	Mounting plate NZM 4 4 poles incoming/ outgoing s. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate NZM 4 4 poles incoming/ outgoing s. withdrawable/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2x NZM 4 3 poles incoming/ outgoing s. fixed/ motor lift Article No. per unit unit = 1 pc.
	NZM 4 Form 2 [1]			**NZM 4 Form 4**				
425	**XMN442404MVF** 284081	-	-	**XMN43F04M** 177122	-	-	-	-
600	-	**XMN442406MVF** 284085	-	**XMN4F06M** 177124	**XMN4W06M** 177094	**XMN4F06M** 177124	**XMN4W06M** 177094	**XMN4F0602M** 177096
800	-	-	**XMN442408MVF** 290348	-	-	**XMN4F08M** 177125	**XMN4W08M** 177095	-
1000	-	-	-	-	-	-	-	-

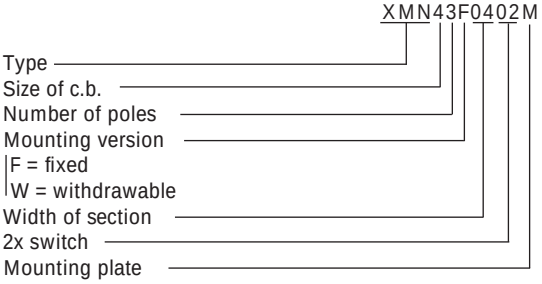
Key to mounting plate NZM4 (Form 4):



Key to mounting plate NZM4 (Form 2):



Key to 2 mounting plates NZM4:



Note 1) Form 2 does not require different mounting plates (fixed, withdrawable, motor lift).

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Mounting Plates NZM 4 Form 2/4 (continued)



vt03015

Section width mm	Mounting plate 2x NZM 4 4 poles incoming/ outgoing s. fixed/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2x NZM 4 3 poles incoming/ outgoing s. withdrawable/ motor lift Article No. per unit unit = 1 pc.	Mounting plate 2x NZM 4 4 poles incoming/ outgoing s. withdrawable/ motor lift Article No. per unit unit = 1 pc.
	NZM 4 Form 4		
425	-	-	-
600	-	-	-
800	**XMN4F0802M** 177097	**XMN4W0802M** 177098	-
1000	-	-	**XMN4W1002M** 177099

Key to mounting plate NZM4 (Form 4):

XMN43F04M

- Type
- Size of c.b.
- Number of poles
- Mounting version
  - F = fixed
  - W = withdrawable
- Width of section
- Mounting plate

Key to mounting plate NZM4 (Form 2):

XMN4424 06MVF

- Type
- Size of c.b.
- Number of poles
- Height of mounting plates in module heights
  - 1 MO = 25 mm
- Width of section
- Mounting plate
- Vertical

Key to 2 mounting plates NZM4:

XMN43F0402M

- Type
- Size of c.b.
- Number of poles
- Mounting version
  - F = fixed
  - W = withdrawable
- Width of section
- 2x switch
- Mounting plate

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Front Covers NZM 4 Form 4


vt121514


vt03515


vt02815


vt70815


vt121514


vt03515


vt02815


vt45215

Section width mm	Front cover NZM4 3 poles fixed install./ remote op. IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed inst. with mechanical lock IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable with remote operation IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst./ remote op. IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst. with mechanical lock IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles withdrawable IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles withdrawable with remote operation IP30 Article No. per unit unit= 1 pc.	Front cover 2x NZM4 3 poles fixed install./ remote op. IP30 Article No. per unit unit = 1 pc.
425	**XMN43F04C** 177100	**XMN43F04C-XMV** 177101	-	-	-	-	-	-	-
600	**XMN43F06C** 177104	**XMN43F06C-XMV** 177105	**XMN43W06C** 180484	XMN43W06C-XR 180488	**XMN44F06C** 177106	XMN44F06C-XMV 177107	**XMN44W06C** 180485	XMN44W06C-XR 180489	**XM2N43F06C** 180480
800	-	-	-	-	**XMN4F08C** 177108	XMN4F08C-XMV 177109	**XMN44W08C** 180486	XMN44W08C-XR 180490	-
1000	-	-	-	-	-	-	-	-	-

Key to front cover NZM4 IP30:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Degree of prot. IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Powering Business Worldwide

Front Covers NZM 4 Form 4 (continued)


vt69215


vt69015


vt69315


vt45215

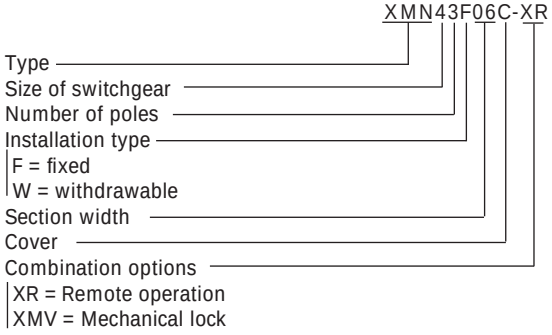

vt69815


vt43615

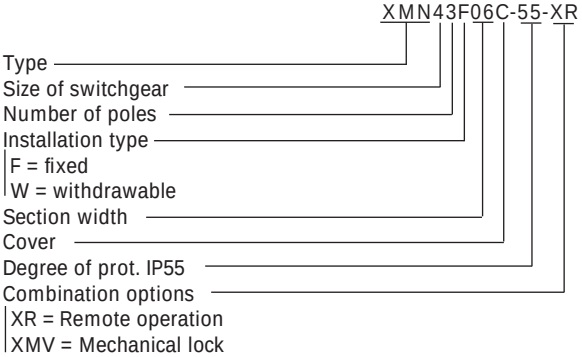

vt44715

Section width mm	Front cover 2x NZM4 3 poles fixed inst. with mechanical lock IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable with remote op. IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst./ remote op. IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst. with mechanical lock IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdraw-able IP30 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdraw-able with remote op. IP30 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles fixed inst. with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.
425	-	-	-	-	-	-	-	**XMN43F04C-55** 180497	**XMN43F04C-55-XMV** 180495
600	**XM2N43F06C-XMV** 180482	-	-	-	-	-	-	**XMN43F06C-55** 180501	**XMN43F06C-55-XMV** 180499
800	-	**XM2N43W08C** 180491	**XM2N43W08C-XR** 180493	**XM2N44F08C** 180481	**XM2N44F08C-XMV** 180483	-	-	-	-
1000	-	-	-	-	-	-	**XM2N44W10C-XR** 180494	-	-

Key to front cover NZM4 IP30:



Key to front cover NZM4 IP55:



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Powering Business Worldwide

Front Covers NZM 4 Form 4 (continued)



vt43615 vt43715 vt43615 vt44915 vt43715 vt44115 vt44015 vt45315 vt69115

Section width mm	Front cover NZM4 3 poles withdrawable IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 3 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles fixed inst. with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 4 poles withdrawable IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles fixed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles fixed inst.with mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdraw-able IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 3 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.
425	**XMN43W04C-55** 180509	XMN43W04C-55-XR 180513	-	-	-	-	-	-	-
600	**XMN43W06C-55** 180510	XMN43W06C-55-XR 180514	**XMN44F06C-55** 180502	XMN44F06C-55-XMV 180500	**XMN44W06C-55** 180511	**XM2N43F06C-55** 180505	XM2N43F06C-55-XMV 180507	-	-
800	-	-	**XMN4F08C-55** 180504	XMN44F08C-55-XMV 180503	XMN43W06C-55-XR 180514	-	-	**XM2N43W08C-55** 180517	**XM2N43W08C-55-XR** 180519
1000	-	-	-	-	-	-	-	-	-

Key to front cover NZM4 IP30:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

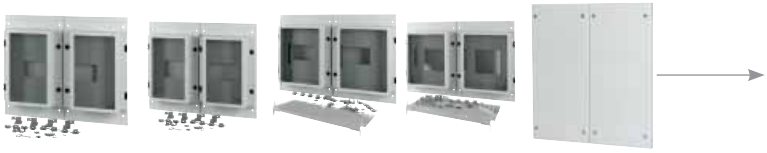
Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Degree of prot. IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

EATON Powering Business Worldwide

Front Covers NZM 4 Form 4 (continued)



vt44115 vt44215 vt68915 vt70715 wa_vt56213

Section width mm	Front cover 2x NZM4 4 poles fxed inst./ remote op. IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles fixed inst.w. mechanical lock IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdraw-able IP42/IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 4 poles withdrawable with remote operation IP42/IP55 Article No. per unit unit = 1 pc.	Front cover NZM4 closed without cut-out IP42/ IP55 Article No. per unit unit = 1 pc.	Front cover 2x NZM4 closed without cut-out IP42/ IP55 Article No. per unit unit = 1 pc.	
425	-	-	-	-	**XMC0604** 102945 122417*	-	
600	-	-	-	-	**XMC0606** 102946 122418*	**XMC060602** 107987 122560*	
800	**XM2N44F08C-55** 180506	XM2N44F08C-55-XMV 180508	-	-	**XMC0608** 102947 122419*	**XMC060802** 107988 122561*	
1000	-	-	XM2N44W10C-55 180518	XM2N44W10C-55-XR 180520	**XMC0610** 102948 122420*	-	

Key to front cover NZM4 IP30:

XMN43F06C-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Key to front cover NZM4 IP55:

XMN43F06C-55-XR

- Type
- Size of switchgear
- Number of poles
- Installation type
  - F = fixed
  - W = withdrawable
- Section width
- Cover
- Degree of prot. IP55
- Combination options
  - XR = Remote operation
  - XMV = Mechanical lock

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for XP Sections

Accessories for incoming supplies/outgoers . . . . . Page xx
Snap-on covers . . . . . Page xx

Partitions NZM 4 Form 2



wa_vt71313



wa_vt69113



wa_vt71313

Section width mm	Partition connection area/main busbar area (only NZM) sect. depth 600mm Form 2 Article No. per unit unit = 1 pc.	Partition connection area/main busbar area (only NZM) sect. depth 800mm Form 2 Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Partition extension for 5000A systems busbar area/ main busbar area (suitable for IZM and NZM) Article No. per unit unit = 1 pc.	
425	**XPNBCT0404** 285502	**XPNBCB0406** 285523	**XPBMB0604** 284107	**XPIBCB-H-04019** 150514	
600	**XPNBCT0604** 284104	**XPNBCB0606** 285522	**XPBMB0606** 284108	**XPIBCB-H-06019** 150515	
800	**XPNBCT0804** 135258	**XPNBCB0806** 135257	**XPBMB0608** 284108	**XPIBCB-H-08019** 150516	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Notes

Partitions NZM 4 Form 4

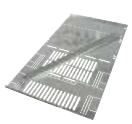


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Section width mm	Poles	Installation type F = Fixed E = Withdraw-able	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect.depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
425	NZM4-3P	F					**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F	x				**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F		x			**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F			x		**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	F				x	**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	E					**XPNBCB0402** 289174	**XPNBCB0404** 289176
	NZM4-3P	E	x				**XPNBCB0402** 289174	**XPNBCB0404** 289176
600	NZM4-3P	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	F				x	**XPNBCB0602** 289175	**XPNBCB0604** 289177

Note * Finish in special RAL colour

EATON Powering Business Worldwide


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wa_vt69113


wa_vt62813


vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM, Form 4 only for EVEN Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/ main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection area D 600 Article No. per unit unit = 1 pc.	Partition connection area D 800 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-MCB04** 178597	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-DV-MCB04** 178599	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-D-MCB04** 178598	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4F-R-MCB04** 178600	**XPNBCB-2-0406** 178630	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-MCB04** 178601	**XPNW-R-BCB-2-0406** 178629	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-04 121448	**XPBMB0604** 284107	**XPBMB0604-ROT** 112312	**XPN4W-R-MCB04** 178602	**XPNW-R-BCB-2-0406** 178629	**XPNBCB-2-0408** 178632	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-MCB06** 178603	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-R-MCB06** 178606	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-DV-MCB06** 178605	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-D-MCB06** 178604	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	-	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4F-R-MCB06** 178606	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	-	-

Note * Finish in special RAL colour

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Partitions NZM 4 Form 4 (continued)



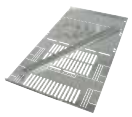
wa_vt70913

Section width mm	Poles	Installation type F = Fixed E = Withdraw-able	Remote operation	Fixed install. with mecha-nical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area/ connection area (only NZM) sect. depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
600	NZM4-3P	E					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	E					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-3P	E	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	NZM4-4P, 3P+N	E	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F					**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F	x				**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F		x			**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F			x		**XPNBCB0602** 289175	**XPNBCB0604** 289177
	2xNZM4-3P	F				x	**XPNBCB0602** 289175	**XPNBCB0604** 289177
800	NZM4-4P, 3P+N	F					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F		x			**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F			x		**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	F				x	**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	E					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	NZM4-4P, 3P+N	E	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736

Note * Finish in special RAL colour

EATON Powering Business Worldwide

xEnergy Main Switchboards


wa_vt72013


wa_vt69113


wa_vt62813


vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM, Form 4 only for EVEN Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection area D 600 Article No. per unit unit = 1 pc.	Partition connection area D 800 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-MCB06** 178607	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XPN4W-R-MCB06** 178645	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**-**	**XPNW-R-BCB-2-0606** 178633	**XPNW-R-BCB-2-0608** 178635	**-**	**-**
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-MCB06** 178610	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-DV-MCB06** 178612	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-D-MCB06** 178611	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-06 121449	**XPBMB0606** 284108	**XPBMB0606-ROT** 112313	**XP2N4F-R-MCB06** 178613	**XPNBCB-2-0606** 178634	**XPNBCB-2-0608** 178636	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-MCB08** 178646	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-R-MCB08** 178649	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-DV-MCB08** 178648	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-D-MCB08** 178647	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4F-R-MCB08** 178649	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-MCB08** 178608	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**-**	**-**
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XPN4W-R-MCB08** 178609	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**-**	**-**

Note * Finish in special RAL colour

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Partitions NZM 4 Form 4 (continued)

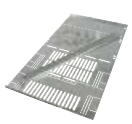


wa_vt70913

Section width mm	Poles	Installation type F = Fixed E = Withdrawable	Remote operation	Fixed install. with mechanical lock	Fixed install. with rotary handle	Fixed install. with door coupling handle	Partition busbar area/ connection area (only NZM) sect. depth 600mm for EVEN coupling sect. Article No. per unit unit = 1 pc.	Partition busbar area connection area (only NZM) sect. depth 800mm for EVEN coupling sect. Article No. per unit unit = 1 pc.
800	2xNZM4-4P, 3P+N	F					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F		x			**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F			x		**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-4P, 3P+N	F				x	**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-3P	E					**XPNBCB0802** 118735	**XPNBCB0804** 118736
	2xNZM4-3P	E	x				**XPNBCB0802** 118735	**XPNBCB0804** 118736
1000	2xNZM4-4P, 3P+N	E					**XPNBCB1002** 178623	**XPNBCB1004** 178624
	2xNZM4-4P, 3P+N	E	x				**XPNBCB1002** 178623	**XPNBCB1004** 178624

Note * Finish in special RAL colour

EATON Powering Business Worldwide


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wa_vt62813


vt36615


vt39715


vt39815


vt35315

Partition between feeder copper and connection copper on main busbar with NZM, Form 4 only for EVEN Article No. per unit unit = 1 pc.	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit unit = 1 pc.	Mounting plate partition switchgear/main busbar swivel-mounted Article No. per unit unit = 1 pc.	Partition switchgear top/bottom Article No. per unit unit = 1 pc.	Partition connection area D 600 Article No. per unit unit = 1 pc.	Partition connection area D 800 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 600 Article No. per unit unit = 1 pc.	Central universal mounting plate incoming area D 800 Article No. per unit unit = 1 pc.
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-MCB08** 178614	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-DV-MCB08** 178616	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-D-MCB08** 178615	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4F-R-MCB08** 178617	**XPNBCB-2-0806** 178638	**XPNBCB-2-0808** 178640	**XPNCCB06** 178625	**XPNCCB08** 178626
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-MCB08** 178618	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-08 121450	**XPBMB0608** 284109	**XPBMB0608-ROT** 112314	**XP2N4W-R-MCB08** 178619	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-BCB-2-0808** 178639	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-10 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-MCB10** 178620	**XPNW-R-BCB-2-1006** 178641	**XPNW-R-BCB-2-1008** 178643	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628
XPNBCB-E-10 121451	**XPBMB0610** 102949	**XPBMB0610-ROT** 112315	**XP2N4W-R-MCB10** 178621	**XPNW-R-BCB-2-1006** 178641	**XPNW-R-BCB-2-1008** 178643	**XPNW-R-CCB06** 178627	**XPNW-R-CCB08** 178628

Note * Finish in special RAL colour

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Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



wa_vt71313

Section width mm	Partition busbar area/ connection area (for IZMX16) section depth 600 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for IZMX16) section depth 800 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for 2x IZMX16) section depth 600 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for 2x IZMX16) section depth 800 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for IZMX40) section depth 600 mm Form 2/4 Article No. per unit	Partition busbar area/ connection area (for IZMX40) section depth 800 mm Form 2/4 Article No. per unit		
400	**XPIXBCB-H-0402** 133087	**XPIXBCB-H-0404** 133088	-	-	-	-		
600	**XPIXBCB-H-0602** 133089	**XPIXBCB-H-0604** 133090	-	-	**XPIX40BCB-H-0602** 166226	**XPIX40BCB-H0604** 166223		
800	-	-	**XPIXBCB-H-0802** 174563	**XPIXBCB-H-0804** 174565	**XPIX40BCB-H-0802** 166227	**XPIX40BCB-H0804** 166224		
1000	-	-	**XPIXBCB-H-1002** 174564	**XPIXBCB-H-1004** 174566	-	**XPIX40BCB-H1004** 166225		
1100	-	-	-	-	-	-		
1200	-	-	-	-	-	-		
1350	-	-	-	-	-	-		

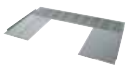
Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



wa_vt70113



VT05611

Section width mm	Partition extension for 5000 A application busbar area/ main busbar area/ (suitable for IZM and NZM) Article No. per unit	Partition busbar area/ switchgear area (IZM13) Form 2/4 Article No. per unit	Partition busbar area/ switchgear area (for IZMX16) Form 2/4 withdrawable Article No. per unit	Partition busbar area/ switchgear area (for IZMX16) Form 2/4 fixed Article No. per unit	Partition busbar area/ switchgear area (for IZMX40) Form 2/4 withdrawable Article No. per unit	Partition busbar area/ switchgear area (for IZMX40) Form 2/4 fixed Article No. per unit
400	**XPIBCB-H-04019** 150514		**XPIXMCB0604** 135261	**XPIXFBMCB0604** 151674	-	-
600	**XPIBCB-H-06019** 150515		**XPIXMCB0606** 135262	**XPIXFBMCB0606** 151675	**XPIX40WBMCB0606** 166220	**XPIX40FBMCB0606** 164349
800	**XPIBCB-H-08019** 150516		-	-	**XPIX40WBMCB0608** 166222	**XPIX40FBMCB0608** 166221
1000	**XPIBCB-H-10019** 150518	-	-	-	**XPIX40WBMCB0610** 164348	**XPIX40FBMCB0610** 164347
1100	**XPIBCB-H-11019** 150519	-	-		-	-
1200	**XPIBCB-H-12019** 150520	**XPIBMCB0612** 284154	-	-	-	-
1350	**XPIBCB-H-135019** 150521	-	-	-	**XPI26BMCB06135** 133086	-

Note * Finish in special RAL colour

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Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



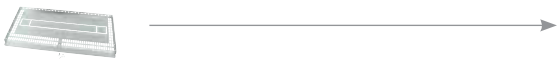
wa_vt70113

Section width mm	Partition busbar area/ switchgear area (for IZM26) Form 2/4 withdrawable Article No. per unit	Partition busbar area/ switchgear area (for IZM26) Form 2/4 fixed Article No. per unit	
400	-	-	
600			
800			
1000			
1100	**XPI26BMCB0611** 133085	**XPI26FBMCB0611** 149186	
1200	-	-	
1350	**XPI26BMCB06135** 133086	-	

Note * Finish in special RAL colour

Powering Business Worldwide

Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



wa_vt62413



wa_vt71213

Section width mm	Partition switchgear a./ switchgear a. Form 4 Article No. per unit	Partition switchgear a./ switchgear a. (for IZMX16) Form 4 Article No. per unit	Partition switchgear a./ switchgear a. (for IZMX40) with application EVEN/OPPO/ fixed + withdrawable/ in section depth 800mm+ section depth 600mm in OPPO Form 4 Article No. per unit	Partition switchgear a./ switchgear a. (for IZMX40) with application EVEN/ withdrawable only with section depth 600mm Article No. per unit	Partition connection a./ busbar area (only NZM) section depth 400 mm Form 2 Article No. per unit	Partition connection a./ busbar area (only NZM) section depth 600 mm Form 2 Article No. per unit	Partition connection a./ busbar area (only NZM) areas of section depth 800 mm Form 2 Article No. per unit
400	**XPMMB0404** 284163	**XPMMB0402** 135263	-	-	**XPNBCT0402** 285501	**XPNBCT0404** 285502	**XPNBCB0406** 285523
600	**XPMMB0604** 284164	**XPMMB0602** 135264	**XPMMB0603** 166239	**XPMMB0602** 153364	**XPNBCT0602** 285503	**XPNBCT0604** 285504	**XPNBCB0606** 285522
800	**XPMMB0804** 284165	-	**XPMMB0803** 166240	**XPMMB0802** 167314	-	**XPNBCT0804** 135258	**XPNBCB0806** 135257
1000	**XPMMB1004** 133081	-	**XPMMBA10** 166698	-	-	-	-
1100	**XPMMB1104** 133082	-	-	-	-	-	-
1200	**XPMMB1204** 284166	-	-	-	-	-	-
1350	**XPMMB13504** 133083	-	-	-	-	-	-

Note * Finish in special RAL colour

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Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



VT05711



wa_vt70513

Section width mm	Additional partition between mounting plate and main busbar to get optimal ventilation/ cooling (chimney effect) with 4000A with 4000A XP sections only Article No. per unit	incoming supply copper and copper on with IZM13 Form 4	Partition between incoming supply copper and connection copper on main busbar with IZM26 Form 4 Article No. per unit	Partition between area Form 4 connection main busbar Article No. per unit	Partition connection area for 2x IZMX16 Article No. per unit	Partition connection Form 4 Article No. per unit		
400	-	**XPIXBCB-E-04** 151676	-	**XPC0604** 284115	-			
600	-	**XPIXBCB-E-06** 151677	-	**XPC0606** 284116	-			
800	-	-	-	**XPC0608** 284117	**XPC060802** 174569			
1000	**XPPBMV10** 166741	-	-	**XPC0610** 133078	**XPC061002** 174570			
1100	-	-	**XPI26BCB-E-11** 151681	**XPC0611** 133079	-			
1200	-	-	-	**XPC0612** 284118	-			
1350	-	-	**XPI26BCB-E-135** 151682	**XPC06135** 133080	-			

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for incoming supplies/outgoers, various partitions for IZM (cont.)



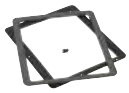
wa_vt69113 VT01111 wa_vt62813

Section width mm	Partition switchgear a./ busbar area (mounting plate) Form 2/4 Article No. per unit	Partition busbar area switchgear a. mounting plates for 2x IZMX16 Form 2/4 Article No. per unit	Partition switchgear a./ busbar area (mounting plate H = 350 mm) Article No. per unit	Partition switchgear a./ busbar area (mounting plates) separated 2x 400 mm for a sect. width of 800 mm H = 350 mm Article No. per unit	Partition switchgear a./ busbar area (mounting plate) Form 2/4 suitable for IZM26 Article No. per unit	Separation panel to be able to split the switch-gear area above the switchgear (suitable for XPBMB03508-S) Article No. per unit	Swivel-mounted separation panel switchgear a./ busbar area suitable for NZM3+4 Article No. per unit	Swivel-mounted separation panel switchgear a./ busbar area suitable for IZM26 Article No. per unit
400	**XPBMB0604** 284107	-	**XPBMB03504** 166693	-	-	-	**XPBMB0604-ROT** 112312	-
600	**XPBMB0606** 284108	-	**XPBMB03506** 166695	-	-	-	**XPBMB0606-ROT** 112313	-
800	**XPBMB0608** 284109	**XPBMB0608-S** 174571	**XPBMB03508** 132922	**XPBMB03508-S** 132923	-	**XPBCV03504** 132924	**XPBMB0608-ROT** 112314	-
1000	**XPBMB0610** 102949	**XPBMB0610-S** 174572	-	**XPBMB03510-S** 167567	-	-	**XPBMB0610-ROT** 112315	-
1100	-	-	-	**XPBMB03511-S** 167568	**XPBMB0511** 133069	-	-	**XPBMB0511-ROT** 149192
1200	**XPBMB0612** 284110	-	-	-	-	-	**XPBMB0612-ROT** 112316	-
1350	-	-	-	**XPBMB035135-S** 167569	**XPBMB05135** 133070	-	-	**XPBMB05135-ROT** 149193

Note * Finish in special RAL colour

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Accessories for incoming supplies/outgoers (cont.)



VT24209

	Door sealing frame to cover the door cut-out for IZMX16 fixed	Door sealing frame to cover the door cut-out for IZMX16 withdrawable	Door sealing frame to cover the door cut-out for IZMX40 fixed	Door sealing frame to cover the door cut-out for IZMX40 withdrawable	Door sealing frame to cover the door cut-out for IZM63		
	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit		
	IZMX-DEG16-F 124335	**IZMX-DEG16-W** 124390	**IZMX-DEG40-F** 156665	**IZMX-DEG40-W** 156666	**IZM-DEG** 122925		

Accessories for incoming supplies/outgoers (cont.)



VT00612

	Cooling unit for IZMX40 1 K/W D = 100 mm
	Article No. per unit
	XACP1K100 167566

Note * Finish in special RAL colour

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Accessories for incoming supplies/outgoers (cont.)



wa_vt57313

	Adapter frame for IZMX16, suitable for protective cover no. 122926 Article No. per unit	Adapter frame for protective cover suitable for IZMX40 series / fixed + withdraw. design Article No. per unit	Adapter frame for IZM26, suitable for protective cover no. 122926 Article No. per unit		
	XMIX16-XDT 168119 168120*	**XMIX40-XDT** 166750	**XMI26-XDT** 151684 151685*		

Accessories for incoming supplies/outgoers (cont.)



wa_vt72713

		Protective cover made of plexiglas for IP55 with IZMX16 IZMX40 IZM63 Article No. per unit			
	-	**IZM-DC** 122926			

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON
Powering Business Worldwide

Snap-on covers



wa_vt33613



wa_vt56213



wa_vt62913

Section width mm	Snap-on cover without cut-out Article No. per unit	2xsnap-on cover without cut-out Article No. per unit	Bar for snap-on cover Article No. per unit
400	**XMC0604** 102945 122417*	-	**XSFD0604** 113991 122618*
600	**XMC0606** 102946 122418*	**XMC060602** 107987 122560*	**XSFD0606** 113992 122619*
800	**XMC0608** 102947 122419*	**XMC060802** 107988 122561*	**XSFD0608** 113993 122620*
850	-	-	**XSFD0685** 179386 179389*
1000	**XMC0610** 102948 122420*	-	**XSFD0610** 113994 122621*
1100	**XMC0611** 132993 133041*	-	**XSFD0611** 179387 179390*
1200	**XMC0612** 113990 122617*	-	**XSFD0612** 113995 122622*
1350	**XMC06135** 132994 133042*	-	**XSFD06135** 179388 179391*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

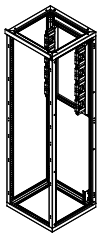
EATON
Powering Business Worldwide

Bar Supports/Connection Systems

Main busbar supports . . . . . Page xx
Individual components for busbar supports . . . . . Page xx
Main busbars . . . . . Page xx
Dropper bars . . . . . Page xx
Shutters . . . . . Page xx
Cable connection sytems, support connection sytems . . . . . Page xx
Drill-free connection systems . . . . . Page xx
Terminals . . . . . Page xx

Powering Business Worldwide

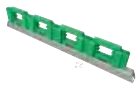
Main Busbar Supports, rear-mounted



00159011_0

Features:

- 1600 – 4000 A
- TN-C, TN-C-S, TN-S, IT
- I_{cw} (1 s) up to 100 kA



wa_vt33413



VT00512



VT27209



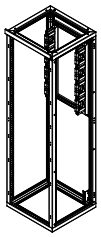
wa_vt08813

I_e	Cross-section of main busbars L1, L2, L3, full N	PE, PEN	Min. section depth	Type of busbar support 3 poles L1, L2, L3	Type of busbar support 4 poles L1, L2, L3, N	Type of earth-bar support for PEN front	Type of support PE or PEN	Type of support N
A	mm^2	mm^2	mm	Article No. 1 set	Article No. 1 set	Article No. 1 set	Article No. 1 set	Article No. 1 set
800	1 x 40 x 10	1 x 40 x 10	600	**XBSB163** 283864	**XBSB164** 283865	**XBSPF** 168118	**XBSP** 283872	**XBSN16** 284747
1250	1 x 60 x 10	1 x 60 x 10	600	**XBSB203** 283866	**XBSB204** 283867	**XBSPF** 168118	**XBSP** 283872	**XBSN20** 284748
1600	2 x 40 x 10	1 x 40 x 10	600	**XBSB163** 283864	**XBSB164** 283865	**XBSPF** 168118	**XBSP** 283872	**XBSN16** 284747
2000	2 x 60 x 10	1 x 60 x 10	600	**XBSB203** 283866	**XBSB204** 283867	**XBSPF** 168118	**XBSP** 283872	**XBSN20** 284748
2500	2 x 80 x 10	1 x 80 x 10	600	**XBSB253** 285515	**XBSB254** 285516	**XBSPF** 168118	**XBSP** 283872	**XBSN40** 284750
3200	3 x 80 x 10	2 x 60 x 10	600	**XBSB323** 283868	**XBSB324** 283869	**XBSPF** 168118	**XBSP** 283872	**XBSN40** 284750
4000	3 x 80 x 10	2 x 80 x 10	800	**XBSB403** 283870	**XBSB404** 283871	**XBSPF** 168118	**XBSP** 283872	**XBSN40** 284750
5000	2x (3 x 80 x 10)	2 x 80 x 10	1000	**XBSB403** 283870	**XBSB404** 283871	-	**XBSP** 283872	**XBSN40** 284750

. . . also for use in the Main Bus Bar Top (BBT) system

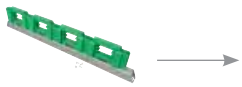
EATON Powering Business Worldwide

Main busbar supports, rear-mounted but in stainless steel finish



00159011_0

Features:
- 1600 – 4000 A
- TN-C, TN-C-S, TN-S, IT
- I_{cw} (1 s) up to 100 kA



wa_vt33413

I_e	Cross-section of main busbars L1, L2, L3, full N	PE, PEN	Min. section depth	Type of busbar supports 3 poles L1, L2, L3	4 poles L1, L2, L3, N	
A	mm^2	mm^2	mm	Article No. 1 set	Article No. 1 set	
800	1 x 40 x 10	1 x 40 x 10	600	**XBSB163-STS** 110268	**XBSB164-STS** 110269	
1250	1 x 60 x 10	1 x 60 x 10	600	**XBSB203-STS** 110270	**XBSB204-STS** 110271	
1600	2 x 40 x 10	1 x 40 x 10	600	**XBSB163-STS** 110268	**XBSB164-STS** 110269	
2000	2 x 60 x 10	1 x 60 x 10	600	**XBSB203-STS** 110270	**XBSB204-STS** 110271	
2500	2 x 80 x 10	1 x 80 x 10	600	**XBSB253-STS** 110272	**XBSB254-STS** 110273	
3200	3 x 80 x 10	2 x 60 x 10	600	**XBSB323** 283868	**XBSB324** 283869	
4000	3 x 80 x 10	2 x 80 x 10	800	**XBSB403** 283870	**XBSB404** 283871	
5000	2x (3 x 80 x 10)	2 x 80 x 10	1000	**XBSB403** 283870	**XBSB404** 283871	

Powering Business Worldwide

Individual Components for Busbar Supports, Bar Holders



vt06815

Bar holder
right

Article No.
per unit

XBSB-R
144593

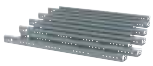


vt06715

Bar holder
left

Article No.
per unit

XBSB-L
144594



vt22516

Bar holder
Galvanised basis

Article No.
per unit

XBSB-B
144596

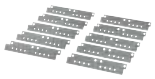


vt22416

Bar holder
VA-steel basis

Article No.
per unit

XBSB-B-STS
144595



vt06415

Bar holder
Galvanised basis
for N conductor

Article No.
per unit

XBSN-N
144597

Individual Components for Busbar Supports, Spacer



VT25409

Plastic spacer
H = 20 mm

Article No.
per unit

XBSB-S
292313



wa_vt34413

Metal spacer
for Cu 60 mm

Article No.
per unit

XBSB-DI40
100648



wa_vt71813

Metal spacer
for Cu 80 mm

Article No.
per unit

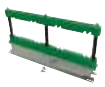
XBSB-DI20
292314

EATON
Powering Business Worldwide

Main Busbars, top-mounted, up to 3200 A, Fitting Kits

Features:

- 800 - 3200 A
- TN-C, TN-C-S, TN-S, TT
- I_{cw} (1 s) up to 65 kA


wa_vt66813


VT00512


VT27209


wa_vt08813


VT18509

I_e	Busbar cross-sections		Min. sect. depth	Type of busbar support	Type of earth-bar support	Type of support		Type of busbar transport separation	
A	L1, L2, L3, full N mm²	PE, PEN mm²	mm	3 poles L1, L2, L3 or 4 poles L1, L2, L3, N Article No. per unit	for PEN front Article No. per unit	PE- or PEN Article No. per unit	N (separate) Article No. per unit	3 poles L1, L2, L3 Article No. per unit	4 poles L1, L2, L3, N Article No. per unit
Phase distance of 60 mm									
800	2 x 20 x 10[1)]	1 x 20 x 10	400	**XBST08-1** 283873	**XBSPF** 168118	**XBSP** 283872	**XBSN16** 284747	**XBTT12-3P** 289080	**XBTT12-4P** 284778
1250	2 x 40 x 10	1 x 40 x 10	400	**XBST12-1** 283875	**XBSPF** 168118	**XBSP** 283872	**XBSN16** 284747	**XBTT12-3P** 289080	**XBTT12-4P** 284778
1600	2 x 60 x 10	1 x 60 x 10	400	**XBST16-1** 283877	**XBSPF** 168118	**XBSP** 283872	**XBSN20** 284748	**XBTT20-3P** 289081	**XBTT20-4P** 284779
Phase distance of 125 mm									
1250	2 x 40 x 10	1 x 40 x 10	600	**XBST12** 283874	**XBSPF** 168118	**XBSP** 283872	**XBSN16** 284747	**XBTT12-3P** 289080	**XBTT12-4P** 284778
1600	2 x 60 x 10	1 x 60 x 10	600	**XBST16** 283876	**XBSPF** 168118	**XBSP** 283872	**XBSN20** 284748	**XBTT20-3P** 289081	**XBTT20-4P** 284779
2000	2 x 80 x 10	1 x 80 x 10	600	**XBST20** 283878	**XBSPF** 168118	**XBSP** 283872	**XBSN40** 284750	**XBTT20-3P** 289081	**XBTT20-4P** 284779
2500	2 x 100 x 10	1 x 100 x 10	600	**XBST25** 283879	**XBSPF** 168118	**XBSP** 283872	**XBSN32** 284749	**XBTT32-3P** 289082	**XBTT32-4P** 284780
3200	2 x 120 x 10[2)]	1 x 120 x 10	600	**XBST32** 283880	**XBSPF** 168118	**XBSP** 283872	**XBSN40** 284750	**XBTT32-3P** 289082	**XBTT32-4P** 284780


wa_vt63613


wa_vt63513

End caps for copper 40/60/80x10 BXT 1x30x10+2x30x10 Article No. per unit	End caps for copper 100/120x10 BXT 3x30x10
XBI-80 121453	**XBI-120** 121454

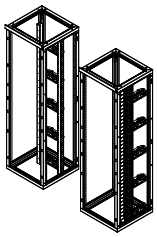
. . . also for use in the Main Bus Bar Top (BBT) system

Note

[1)] N conductor separate with 1 x 40 x 10 mm
[2)] N conductor separate with 3 x 80 x 10 mm

EATON Powering Business Worldwide

Dropper Bars up to 1600 A for Outgoing Sections, Fitting Kits



00123137_0

Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT, TT
- I_{cw} (1 s) up to 50 kA[1)]



wa_vt58813



wa_vt58913

Angle bracket for N and PEN in the cable connection area



wa_vt69913



wa_vt70013

I_e	Busbar cross-sections		Type of busbar support		Type of support for conductor in connection area[1)]	
			3 poles L1, L2, L3, or 4 poles L1, L2, L3, N	End support at the bottom	PE or PEN	N+PEN
A	L1, L2, L3, full N mm²	PE, PEN mm²	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit
Dropper bars on the side, center-to-center phase distance 60 mm						
800	2 x 20 x 10	1 x 20 x 10	**XDSF08** 283888	**XDSF08E** 283889	**XDSFP** 283895	**XDSFN** 283894
1250	2 x 40 x 10	1 x 40 x 10	**XDSF12** 283890	**XDSF12E** 283891	**XDSFP** 283895	**XDSFN** 283894
1600	2 x 60 x 10	1 x 60 x 10	**XDSF16** 283892	**XDSF16E** 283893	**XDSFP** 283895	**XDSFN** 283894



wa_vt59013



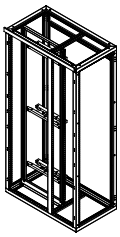
VT00412

Module width	Type Extension bracket for busbar support XDSF... for rear-mounted dropper bars	Type Extension bracket for ... (strong design for lowest position)
mm	Article No. per unit	
425	**not required**	-
600	**XDB06** 283885	**XADB06E** 166745

Note [1)] Also suitable for mounting cable ducts, auxiliary busbars etc.

EATON Powering Business Worldwide

Dropper Bars up to 1600A for Outgoing Sections - PIFT



00123257_0

Features:
- 800 – 1600 A
- TN-C, TN-C-S, TN-S, IT



VT18809

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type Fitting kit, dropper bars 3 poles L1, L2, L3
A	mm^2	mm^2	Article No. 1 set
Dropper bars, vertical, for horizontally installed PIFT fuse strips, center-to-center phase distance 185 mm Set includes 3 supports, one of them with end plate			
800	1 x 40 x 10	1 x 20 x 10	**KDSSV08** 283902
1000	1 x 60 x 10	1 x 40 x 10	**KDSSV10** 283903
1200	1 x 80 x 10	1 x 40 x 10	**KDSSV12** 283904
1600	1 x 100 x 10	1 x 60 x 10	**KDSSV16** 283905
Dropper bars, horizontal, for vertically installed PIFT fuse strips, center-to-center phase distance 185 mm Set includes 2 supports			
800	1 x 40 x 10 (N = 1 x 40 x 10)[1)]	1 x 20 x 10[1)]	**KDSSH08** 283896
1000	1 x 60 x 10 (N = 2 x 40 x 10)[1)]	1 x 40 x 10[1)]	**KDSSH10** 283897
1200	1 x 80 x 10 (N = 2 x 40 x 10)[1)]	1 x 40 x 10[1)]	**KDSSH12** 283898
1600	1 x 100 x 10 (N = 2 x 60 x 10)[1)]	1 x 60 x 10[1)]	**KDSSH16** 283899

Note For short-circuit strength see as of page xx

[1)] Where necessary, this is to be determined depending on the cross-section required for N or PE, PEN of the main busbar.

EATON Powering Business Worldwide

Dropper Bars for SL-I-3200 A extending over several sections

Consisting of:
distribution busbar supports



VT04510

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
A	mm^2	mm^2	Article No. 1 set
1600	2 x 40 x 10	1 x 40 x 10	**KDSF16-SL-I** 143280
2000	2 x 60 x 10	1 x 60 x 10	**KDSF20-SL-I** 143281
2500	2 x 80 x 10	1 x 80 x 10	**KDSF25-SL-I** 143282
3200	2 x 100 x 10	1 x 100 x 10	**KDSF32-SL-I** 143283

Dropper Bar Sets up to 3200A, Double Bar



vt80815

Set includes: Two mounting bracket for rail support, two rail support for single busbars up to 1600A, screw material.

I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
A	mm^2	mm^2	Article No. 1 set
1600	2 x 40 x 10	1 x 40 x 10	**KDSF-16-SL-D** 180578
2000	2 x 60 x 10	1 x 60 x 10	**KDSF-20-SL-D** 180579
2500	2 x 80 x 10	1 x 80 x 10	**KDSF-25-SL-D** 180580
3200	2 x 100 x 10	1 x 100 x 10	**KDSF32-SL-D** 180581

EATON Powering Business Worldwide

Dropper Bar Sets up to 1600A, Single Bar



vt81315

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - set	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max. 1 x 100 x 10	**KDSLH** 182913

Busbar support for simple busbars up to 1600 A

Incl.: 1 pc. Rail support and screw material



vt81415

	I_e	Busbar cross-sections L1, L2, L3, full N	PE, PEN	Type
	A	mm^2	mm^2	Article No. 1 set
Bar supports - single	max. 1600	1 x 40 x 10 up to max. 1 x 100 x 10	1 x 40 x 10 up to max.	**KDSF16-SL-S** 180577

Powering Business Worldwide

Shutter for PIFT



wa_vt81213

Type
U-Profile for shutter mounting
L = 1850 mm

Article No.
per unit
unit = 2 pcs.

XASM-PI
129004



wa_vt69613

Type
Shutter for plug-in module technology and SSL

Article No.
per unit
unit = 1 pc.

XAS0606-PI
122029



VT17709

Type
Second part of shutter (necessary for SSL sections)

Article No.
per unit
unit = 1 pc.

XAS0606-S
135256

Cable Connection Systems, Support Connection Systems up to 4000A



VT18209

3 poles

Article No.
per unit
unit = 1 set

Units = Bar holder - 6 pcs.
End plates - 6 pcs.
Mounting brackets - 6 pcs.
(sheet metal, incl. screws)

XCSIY308
283882

4 poles

Article No.
per unit
unit = 1 set

Units = Bar holder - 8 pcs.
End plates - 8 pcs.
Mounting brackets - 8 pcs.
(sheet metal, incl. screws)

XCSIY412
283884

Powering Business Worldwide

Arc Fault Partition for XP Sections



vt22716

- Suitable for 3 and 4 pole XP sections
- For incoming and outgoing lines of the circuit breaker
- Consisting of separation panels, fixing brackets, cross-struts and screws

Section depth mm	Type of breaker IZMX16 Article No. per unit unit = 1 set	Type of breaker IZMX40 Article No. per unit unit = 1 set	Type of breaker IZM63 Article No. per unit unit = 1 set
600	**XPIX16CC06** 171734	**XPIX40CC06** 171735	**-**
800	**XPIX16CC06** 171734	**XPIX40CC08** 171736	**XPI63CC10** 171737

Arc Fault Barrier - Main Busbar



vt23016

- To be fixed at the end of the main busbar (between the side panel and the main busbar). This is how to prevent the arc fault from flashing over to the side panel.
- Consisting of separation panel and screws

	Type Article No. per unit unit = 1 set
	XBI-P 171738

Feedthrough of the Cu Current Bar



VT01011

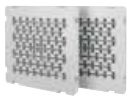
- As a functions partition from section to section, suitable for all current ratings/busbar sizes (thanks to press-cuts prepared for breaking them off), 3 and 4 poles
- Consisting of a 4-pole separation panel, separation panel for PEN, angle profile and screws

	Type Article No. per unit unit = 1 set
	XPBSS-5 151683

Powering Business Worldwide

Drill-free connection system for XP sections


VT30009


wa_vt26913


wa_vt72813


wa_vt13113


wa_vt13013


wa_vt73413

	Bar support external for central in-coming supply up to 4000 A	Center bar support 4 poles KSX	Center bar support 3 poles KSX-3P-MID	Busbar 1250 A 2.4m long tin-plated double-T-profile	Busbar 1600 A 2.4m long tin-plated double-T-profile	Busbar 2500 A 2.4m long tin-plated triple-T-profile	
	Article No. per unit unit = 1 pair	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	Article No. per unit unit = 1 pc.	
	KSX-34P-EXT 138268	**KSX-34P-MID** 138269	**KSX-3P-MID** 138360	**CU-BAR-500/T** 107166	**CU-BAR-720/T** 107167	**CU-BAR-1140/T** 107168	

Connection terminals


wa_vt12313

	Profile termin. termin. area 41x20-42mm for double-T-profile	Profile termin. termin. area 51x5-28mm for double-T-profile	Profile termin. termin. area 51x20-42mm for double-T-profile	Profile termin. termin. area 64x5-28mm for double-T-profile	Profile termin. termin. area 64x20-42mm for double-T-profile	Profile termin. termin. area 81x20-42mm for double-T-profile	Profile termin. termin. area 101x20-42mm for double-T-profile	Profile terminal termin. area 101x23-45mm for triple-T-profile
	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.	Article No. per unit unit = 3 pcs.
	AKP800 107198	**AKP750** 138364	**AKP1000** 107199	**AKP900** 138365	**AKP1200** 138366	**AKP1600** 138367	**AKP2000** 138368	**AKP3600** 138369

Powering Business Worldwide

Universal Conductor Connection Terminal for Busbar 10mm



VT13506

16 mm²	35 mm²	70 mm²	120 mm²
Article No. per unit unit = 100 pcs.	Article No. per unit unit = 50 pcs.	Article No. per unit unit = 25 pcs.	Article No. per unit unit = 25 pcs.
AKU16/10 107191	**AKU35/10** 107192	**AKU70/10** 107193	**AKU120/10** 107194

Connection terminals



VT13306

Brace terminal for bar 20x5 up to 30x10, 95-185 mm²
Article No. per unit unit = 6 pcs.
AKS185 107195



VT13406

Brace terminal for bar 20x5 up to 30x10, 150-300 mm²
Article No. per unit unit = 6 pcs.
AKS300 107196



VT01610

Connection terminal for round/ sector conductors for busbar 30x10, T and double-T-profile
Article No. per unit unit = 6 pcs.
AK300 138363

Screw-type connections, to be snapped on



wa_vt73513

Screw-type connections to be snapped on, for cable lug (M8) on 10 mm bar	Screw-type connections to be snapped on, or cable lug (M10) on 10 mm bar
Article No. per unit unit = 20 pcs.	Article No. per unit unit = 6 pcs.
AKU-M8/10 138362	**AKU-M10/10** 138361

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Powering Business Worldwide

Fitting Kits for Outgoing Sections

Fitting kits for outgoing sections, main busbar rear-mounted . . . . . Page xx
Fitting kits for SL fuse strips, main busbar rear-mounted. . . . . Page xx
Fitting kits for SSL switch fuse units, main busbar rear-mounted . . . . . Page xx
Fitting kits for outgoing sections, main busbar top-mounted. . . . . Page xx
Accessories for xEnergy Main mounting frame. . . . . Page xx

Fitting Kits for Outgoing Sections, Main Busbar rear-mounted


VT19909


VT19809


VT19509

Section depth mm	Fitting kits for LS out-going sections Form 2 Article No. per unit	Fitting kits for LS out-going sections Module width 400 mm Form 4 Article No. per unit	Fitting kits for LS out-going sections Module width 600 mm, Installation-depth = 275 mm Form 4 Article No. per unit	Fitting kits for LS out-going sections Module width 600 mm, Installation-depth = 475 mm Form 4 Article No. per unit	Fitting kits for LS out-going sections Module width 400 mm Form 4 ohne Kabelanschluss Article No. per unit	Fitting kits for LS out-going sections Module width 600 mm Form 4 ohne Kabelanschluss Article No. per unit	Fitting kits for LS out-going sections Form 4 special-fitting kit Dubai Article No. per unit
600	**XSMFIB0606** 284253	**XSMFDB0406** 284246 122289*	**XSMFDB0606** 284248 122291*	**-**	**XSMFDB0406-2** 125991 125992*	**XSMFDB0606-2** 110252 122594*	**XSMFIB06-1** 109255 122586*
800	**XSMFIB0608** 284254	**XSMFDB0408** 284247 122290*	**XSMFDB0608** 284249 122292*	**XSMFDB0608-350** 168937 186679*	**XSMFDB0406-2** 125991 125992*	**XSMFDB0606-2** 110252 122594*	**XSMFIB06-1** 109255 122586*

Fitting kits for outgoing sections, main busbar rear-mounted (cont.)

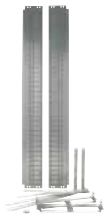

VT00509, VT19809

Section depth mm	Fitting kits Box-Solution suitable for 400/600mm, Module width, Installation depth = 275 mm Form 4 Article No. per unit	Fitting kits Box-Solution suitable for 400/600mm, Module width, Installation depth = 475 mm Form 4 Article No. per unit	Fitting kits Box-Solution suitable for 400/600mm Module width, Installation depth = 275 mm withaout cable area Form 4 Article No. per unit	Fitting kits Box-Solution suitable for 400/600mm Module width, Installation depth = 475 mm withaout cable area Form 4 Article No. per unit	
600	**XSMFDB0606-BS** 125829 125971*	**-**	**XSMFDB0606-BS-2** 168934 186676*	**-**	
800	**XSMFDB0608-BS** 125970 125972*	**XSMFDB0608-BS-350** 168936 186678*	**-**	**XSMFDB0608-2-350** 168935 186677*	

Note * Finish in special RAL colour

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Fitting Kits for Fuse Strips, Main Busbar rear-mounted


VT20209


VT04710


VT04610


wa_vt54513

Section width mm	Fitting kits for SL fuse strips Article No. per unit	Fitting kits for fuse strips (overlapping sections) Article No. per unit	Blind frame kits for XSMLV-/-CH.. and XSMLV Article No. per unit	Fitting kits for SL size 00 in upper third of section e.g. above IZM Article No. per unit	
425	-	**XSMLV-I** 143418 143554*	-	**XSMLO0604** 106732 122511*	
600	**XSMLV** 144583 144584*	**XSMLV-I** 143418 143554*	**XSMLV-I-CH06** 143419 143555*	**XSMLO0606** 106733 122512*	
800	**XSMLV** 144583 144584*	**XSMLV-I** 143418 143554*	**XSMLV-I-CH08** 143420 143556*	**XSMLO0608** 106734 122513*	
1000	**XSMLV** 144583 144584*	**XSMLV-I** 143418 143554*	**XSMLV-I-CH10** 143421 143557*	**XSMLO0610** 106735 122514*	

Note * Finish in special RAL colour

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Fitting Kits for SSL Switch Fuse Units, Main Busbar rear-mounted



VT24309



VT20009



VT20109



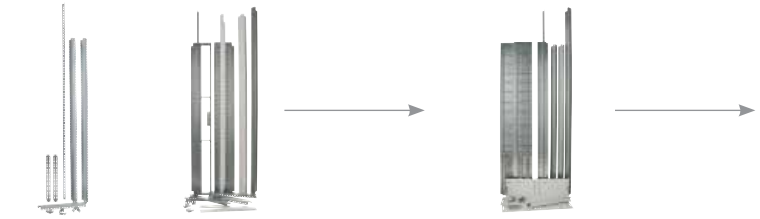
VT00409, VT00309

Section width mm	Fitting kits for SSL switch-fuse units Jean Müller vertical Article No. per unit	Section depth mm	Fitting kits for SSL switch fuse units Jean Müller horizontal Article No. per unit	Fitting kits for SSL switch fuse units Jean Müller horizontal behind the door Article No. per unit	Fitting kits for SSL switch-fuse units ABB horizontal Article No. per unit	
425	-	600	**XSMSHD06** 284274 122295*	**XSMSHI06** 284276 122297*	**XSMSH-ABB** 110278 122606*	
600	**XSMSV0608** 284279 122299*	800	**XSMSHD08** 284275 122296*	**XSMSHI08** 284277 122298*	-	
800	**XSMSV0808** 284281 122300*					
1000	**XSMSV1008** 285510 122378*					

Note * Finish in special RAL colour

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Fitting Kits for Outgoing Sections, Main Busbar top-mounted



VT19309 VT19609 VT19509

Module width mm	Form 2 Article No. per unit	Form 4 with cable connection area Article No. per unit	Form 4 without cable connection area Article No. per unit	Form 4 special fitting kit for outgoing sections (Dubai) Article No. per unit	Form 4 fitting kit for Box Solution without cable connection area Article No. per unit	
400	-	**XSMFDT0406** 284753 122368*	**XSMFRDT0406** 284756 122370*	**-**	**-**	
600	**XSMFIT06** 284255	**XSMFDT0606** 284754 122369*	**XSMFRDT0606** 284757 122371*	**XSMFIT06-1** 109256 122587*	**XSMFRDT0606-BS** 167549 122371*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: xEnergy Main Fitting Frame



wa_vt23013

Section width mm	Fitting frame for original xEnergy Main front panels H = 600 mm Article No. per unit	Fitting frame for original xEnergy Main front panels H = 2000 mm Article No. per unit	Fitting frame for EP H = 2000 mm Article No. per unit	
425	**XSMEX0604** 106556 122461*	**XSMEX2004** 106560 122465*	**XVTL-EP-4/20** 143246	
600	**XSMEX0606** 106557 122462*	**XSMEX2006** 106561 122466*	**XVTL-EP-6/20** 143247	
800	**XSMEX0608** 106558 122463*	**XSMEX2008** 106562 122467*	**-**	
850	**-**	**-**	**XVTL-EP-85/20** 143248	
1000	**XSMEX0610** 106559 122464*	**XSMEX2010** 106563 122468*	**-**	
1100	**-**	**-**	**XVTL-EP-11/20** 143244	
1350	**-**	**-**	**XVTL-EP-135/20** 143245	

Note * Finish in special RAL colour

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Front Panels / Empty-space Covers

xEnergy Main EBS front panels . . . . . Page xx
Doors for box solution . . . . . Page xx
Snap-on cover . . . . . Page xx
EBS front panels . . . . . Page xx
Covers for circuit breaker cut-out . . . . . Page xx
Empty-space covers . . . . . Page xx

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for FAZ



wa_vt67713 wa_vt54813 wa_vt70813

Width mm	UK H = 50 mm for PLH switch Article No. per unit	H = 150 mm Article No. per unit	H = 200 mm Article No. per unit	H = 300 mm Article No. per unit	H = 400 mm Article No. per unit	
425	-	**XMMC0604C** 283979 122152*	**XMMC0804C** 283983 122154*	**XMMC1204C** 283987 122156*	**XMMC1604C** 283991 122158*	
600	**XMPL10606C-UK** 110258 122595*	**XMMC0606C** 283981 122153*	**XMMC0806C** 283985 122155*	**XMMC1206C** 283989 122157*	**XMMC1606C** 283993 122159*	
800	-	**XMMC0608C** 106718 122507*	**XMMC0808C** 106730 122509*	-	-	
1000	-	**XMMC0610C** 106719 122508*	**XMMC0810C** 106731 122510*	-	-	

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels - Empty



wa_vt67613 wa_vt33613 wa_vt67313

Width mm	H = 25mm Article No. per unit	H = 50mm Article No. per unit	H = 100mm Article No. per unit	H = 150mm Article No. per unit	H = 200mm Article No. per unit	H = 250mm Article No. per unit	H = 300mm Article No. per unit	H = 400mm Article No. per unit	H = 600mm Article No. per unit	H = 800mm Article No. per unit	ventilated H = 100mm Article No. per unit
425	-	**XME0204C** 283922 122121*	**XME0404C** 283926 122123*	**XME0604C** 283934 122129*	**XME0804C** 283939 122134*	**XME1004C** 144587 144589*	**XME1204C** 283946 122139*	**XME1604C** 283948 122141*	**XME2404C** 294923 122412*	-	**XME0404CV** 283928 122125*
600	**XME0106C** 158619 158620*	**XME0206C** 283924 122122*	**XME0406C** 283930 122126*	**XME0606C** 283936 122131*	**XME0806C** 283942 122136*	**XME1006C** 144588 144590*	**XME1206C** 283947 122140*	**XME1606C** 283950 122142*	**XME2406C** 294924 122413*	**XME3206C** 294926 122415*	**XME0406CV** 283932 122128*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for PKZ 0/4


wa_vt67813


wa_vt67913

Width mm	Horizontal 3 poles H = 50 mm PKZ0 Article No. per unit	Horizontal 3 poles H = 100 mm PKZ4 Article No. per unit
425	**XMP030204C** 284087 122212*	**XMP430404C** 284095 122214*
600	**XMP030206C** 284089 122213*	**XMP430406C** 284097 122215*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM1


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wa_vt67413


wa_vt67513


wa_vt67413


wa_vt68913

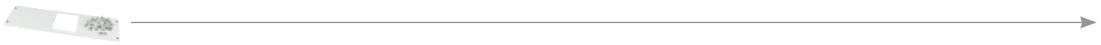
Width mm	UK 1xNZM1 horiz. 4 poles H = 150 mm fixed with cut-out for measuring device 90/90 Article No. per unit	UK 1xNZM1 horiz. 4 pole H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 100 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm plug-in module t. Article No. per unit	2xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	2xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit
425	-	-	**XMN130404C** 283995 122160*	**XMN140604C** 284003 122164*	**XMN130604C** 121799 122637*	**XMN131204CV** 283999 122162*	-	**XMN141204CV** 284007 122166*	-
600	**XMN140606C-1-UK** 110262 122599*	**XMN140606C-UK** 110259 122596*	**XMN130406C** 283997 122161*	**XMN140606C** 284005 122165*	**XMN130606C** 121797 122636*	-	**XMN131206CV** 284001 122163*	-	**XMN141206CV** 284009 122167*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

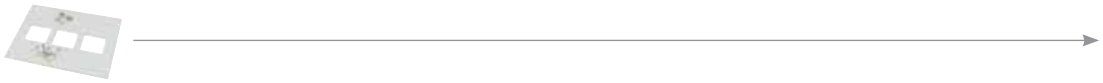
Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM2



wa_vt54613

Width mm	UK 1xNZM2 horizontal 4 poles H = 200 mm with cut-out for measuring dev.t fixed Article No. per unit	UK 1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm plug-in mod. technology Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm with motor lift (placed 15mm above front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm with motor lift (placed 15mm above front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm plug-in mod. technology Article No. per unit
425	-	-	**XMN230604C** 284011 122168*	-	-	**XMN240804C** 284024 122175*	-	-
600	**XMN240606C-1-UK** 110263 122600*	**XMN240606C-UK** 110260 122597*	**XMN230606C** 284013 122169*	**XMN230606C** 284013 122169*	**XMN230606CR** 292907 122406*	**XMN240806C** 284026 122176*	**XMN240806CR** 125993 125994*	**XMN240806C** 284026 122176*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM2 (cont.)



wa_vt70713

Width mm	1xNZM2 horizontal 4 poles H = 200 mm cover for RCD module fixed Article No. per unit	2xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	3xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 3 poles H = 600 mm plug-in mod. technology Article No. per unit	3xNZM2 vertical 3 poles H = 600 mm plug-in mod. technology Article No. per unit	2xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 4 poles H = 600 mm plug-in module technology Article No. per unit
425	-	**XMN231604CV** 284015 122170*	-	**XMN232404CV** 284019 122172*	-	**XMN241604CV** 284028 122177*	**XMN242404CV** 284032 122179*
600	**XMN240806CF** 284659 122356*	-	**XMN231606CV** 284017 122171*	-	**XMN232406CV** 284021 122173*	**XMN241606CV** 284030 122178*	**XMN242406CV** 284034 122180*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM3



wa_vt67113

Width mm	UK 1xNZM3 horizontal 4 poles H = 250 mm with cut-out for measuring dev. fixed Article No. per unit	UK 1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 600 mm fixed Article No. per unit	2xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit
425	-	-	-	-	-	-	**XMN332404CV2** 284044 122186*	-
600	**XMN340606C-1-UK** 110264 122601*	**XMN340606C-UK** 110261 122598*	**XMN330806C** 284036 122181*	**XMN331006C** 284039 122183*	**XMN341006C** 284052 122191*	**XMN341206C** 284055 122193*	-	**XMN332406CV2** 284049 122189*

Accessories for Outgoing Sections: xEnergy Main EBS Front Panels for NZM3 (cont.)



wa_vt73013

Width mm	1xNZM3 vertical 3 poles H = 600 mm withdrawable, suitable only for sections of 800 mm depth Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm withdrawable, suitable only for sections of 800 mm depth Article No. per unit	1xNZM3, horizontal 3 poles, H = 200 mm with motor lift, lift sticks 55 mm out of front panel, no turning of the front panel possible, fixed Article No. per unit	1xNZM3, horizontal 4 poles, H = 250 mm with motor lift, lift sticks 55 mm out of front panel, no turning of the front panel possible, fixed Article No. per unit	1xNZM3 horizontal H = 250 mm Plug-in technology Article No. per unit	1xNZM3 horizontal H = 300 mm Plug-in technology Article No. per unit
425	**XMN332404CV1** 284042 122184*	**XMN342404CV2** 284060 122196*	**XMN342404CV1** 284058 122194*	-	-	-	-
600	**XMN332406CV1** 284047 122187*	**XMN342406CV2** 284065 122200*	**XMN342406CV1** 284063 122198*	**XMN330806CR** 284037 122182*	**XMN341006CR** 284053 122192*	**XMN331006CP** 172200 172324*	**XMN341206CP** 172202 172325*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

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Accessories for Outgoing Sections: Doors for Box Solution (Doors to Switchgear Area)



wa_vt70213



wa_vt63113

Width mm	H = 200 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit	H = 500 mm Article No. per unit	H = 600 mm Article No. per unit
425	**XSDFMC0204** 109240 122573*	**XSDFMC0304** 109241 122574*	**XSDFMC0304-1** 109242 122575*	**XSDFMC0404** 109243 122576*	**XSDFMC0504** 109244 122577*	**XSDFMC0604** 109245 122578*
600	**XSDFMC0206** 109246 122579*	**XSDFMC0306** 109247 122580*	**XSDFMC0306-1** 109248 122581*	**XSDFMC0406** 109249 122582*	**XSDFMC0506** 109250 122583*	**XSDFMC0606** 109251 122584*

Accessories for Outgoing Sections: Snap-on Cover without Cut-out for Box Solution



VT00709

Width mm	H = 150 mm Article No. per unit	H = 250 mm Article No. per unit
425	**XMC0604-BS** 125983 125987*	**XMC1004-BS** 125984 125988*
600	**XMC0606-BS** 125985 125989*	**XMC1006-BS** 125986 125990*

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories for Outgoing Sections: EBS Front Panels with Punch Holes, EBS Front Panels with Cut-out for Measuring Devices


wa_vt67213


wa_vt71713 wa_vt71613


wa_vt67013


wa_vt67013

wa_vt71513

Width mm	9xRMQ D = 22.5 mm H = 100 mm Article No. per unit	12xRMQ D = 22.5 mm H = 100 mm Article No. per unit	2xMeasuring dev. 72/72 2xchange-over switch H = 150 mm Article No. per unit	4xMeasuring dev. 72/72 1xchange-over switch H = 200 mm Article No. per unit	2xMeasuring dev. 72/72 2xchange-over switch H = 150 mm Article No. per unit	4xMeasuring dev. 96/96 2xchange-over switch H = 150 mm Article No. per unit	2xMeasuring dev. 96/96 2xchange-over switch H = 200 mm Article No. per unit	4xMeasuring dev. 96/96 1xchange-over switch H = 200 mm Article No. per unit
425	**XME0404CI** 283927 122124*	-	**XME0604CM** 283935 122130*	**XME0804CM** 283940 122135*	-	-	-	-
600	-	**XME0406CI** 283931 122127*	-	-	**XME0606CM2** 283937 122132*	**XME0606CM4** 283938 122133*	**XME0806CM2** 283943 122137*	**XME0806CM4** 283944 122138*

Accessories for Outgoing Sections: Covers for circuit breaker cut-out


wa_vt69813

	NZM1- Closing plate for closing the front cover (spare space) Article No. per unit	NZM2- Closing plate for closing the front cover (spare space) Article No. per unit	NZM3- Closing plate for closing the front cover (spare space) Article No. per unit
	NBP-1000 275413	**XAS2-3** 284741 122364*	**XAS3-3** 284743 122366*

. . . also for use in the Main Bus Bar Top (BBT) system

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Accessories for Outgoing Sections: Empty-space Covers



VT08406



VT00709 VT08506 VT08606

For SSL H = 25 mm	For SSL H = 50 mm	For SSL H = 75 mm	For SSL H = 75 mm ventilated	For SSL H = 150 mm	Set for conventio-nal arc fault protection for PIFT	Only Eaton for SL B = 50 mm	Only Eaton for SL B = 100 mm	
Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	
XME0601CS 289955 122393*	**XME0602CS** 292500 122399*	**XME0603CS** 292501 122400*	**XME0603CSV** 129011 129014*	**XME0606CS** 292502 122401*	**XSMS06** 108781 122562*	**XME0602CL** 289904	**XME0604CL** 289905	

Accessories for Outgoing Sections: Empty-space Covers for PIFT



VT28410



VT34210

Height mm	Empty-space cover for closing the gap between switchgear area and cable connection area Article No. per unit unit = 1 pc.	Cover profile in addition to SL empty-space cover (to close the gap between dropper bar and blind cover) Article No. per unit unit = 1 m
25	**XPFMC25** 143197	**XPLSTB-1000** 150540
50	**XPFMC50** 143198	
75	**XPFMC75** 143199	
100	**XPFMC100** 143194	
150	**XPFMC150** 143195	
200	**XPFMC200** 143196	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Outgoing Sections
Mounting plates / Drawers / Plug-in Modules / Partitions

Mounting plates. . . . . Page xx
Plug-in module technology . . . . . Page xx
Partitions . . . . . Page xx
Separation panels . . . . . Page xx

Accessories for Outgoing Sections: Mounting Plates for FAZ


wa_vt68413


wa_vt55013


wa_vt71413

Width mm	UK Article No. per unit	min. H = 150 mm 1 row Article No. per unit	min. H = 200 mm 1 row Article No. per unit	min. H = 300 mm 2 rows Article No. per unit	min. H = 400 mm 2 rows Article No. per unit	
425	-	**XMMC0604M** 283980	**XMMC0804M** 283984	**XMMC1204M** 283988	**XMMC1604M** 283992	
600	**XMPL10606M-UK** 110254	**XMMC0606M** 283982	**XMMC0806M** 283986	**XMMC1206M** 283990	**XMMC1606M** 283994	
800	-	**XMMC0608M** 106736	**XMMC0808M** 106737	-	-	
1000	-	**XMMC0610M** 106738	**XMMC0810M** 106739	-	-	

Accessories for Outgoing Sections: Mounting Plates - Empty


wa_vt33513

Width mm	H = 50 mm Article No. per unit	H = 100 mm Article No. per unit	H = 150 mm Article No. per unit	H = 200 mm Article No. per unit	H = 250 mm Article No. per unit	H = 300 mm Article No. per unit	H = 350 mm Article No. per unit	H = 400 mm Article No. per unit
425	**XME0204M** 283923	**XME0404M** 283929	**XME0604M** 284727	**XME0804M** 283941	**XME1004M** 144585	**XME1204M** 285684	**XME1404M-1** 110333	**XME1604M** 283949
600	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M-1** 110339	**XME1606M** 283951

. . . also for use in the Main Bus Bar Top (BBT) system

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for PKZ



wa_vt68313



wa_vt68113

Width mm	Horizontal 3 poles H = 50 mm Article No. per unit	Horizontal 3 poles H = 100 mm Article No. per unit
425	**XMP030204M** 284088	**XMP430404M** 284096
600	**XMP030206M** 284090	**XMP430406M** 284098

Accessories for Outgoing Sections: Mounting Plates for NZM1



wa_vt68013



wa_vt68113

Width mm	UK 1xNZM1 horiz. 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 100 mm fixed Article No. per unit	1xNZM1 horizontal 4 poles H = 150 mm fixed Article No. per unit	1xNZM1 horizontal 3 poles H = 150 mm plug-in technology Article No. per unit	2xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 3 poles H = 300 mm fixed Article No. per unit	2xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit	3xNZM1 vertical 4 poles H = 300 mm fixed Article No. per unit
425	-	**XMN130404M** 283996	**XMN140604M** 284004	**XMN130604MP** 121798	**XMN131204MV** 284000	-	**XMN141204MV** 284008	-
600	**XMN140606M-UK** 110255	**XMN130406M** 283998	**XMN140606M** 284006	**XMN130606MP** 121796	-	**XMN131206MV** 284002	-	**XMN141206MV** 284010

. . . also for use in the Main Bus Bar Top (BBT) system

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for NZM2



wa_vt54913

Width mm	UK 1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm fixed Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm plug-in technology Article No. per unit	1xNZM2 horizontal 3 poles H = 150 mm with motor lift (sticking 15mm out of front panel) Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm fixed Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm plug-in technology Article No. per unit	1xNZM2 horizontal 4 poles H = 200 mm cover for RCD module fixed Article No. per unit	2xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit
425	-	**XMN230604M** 284012	-	-	**XMN240804M** 284025	-	-	**XMN231604MV** 284016
600	**XMN240606M-UK** 110256	**XMN230606M** 284014	**XMN230606MP** 284724	**XMN230606M** 284014	**XMN240806M** 284027	**XMN240806MP** 284726	**XMN240806MF** 134485	-

Accessories for Outgoing Sections: Mounting Plates for NZM2 (several devices on one plate)



wa_vt73113

Width mm	3xNZM2 vertical 3 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 3 poles H = 600 mm plug-in technology Article No. per unit	3xNZM2 vertical 3 poles H = 600 mm plug-in technology Article No. per unit	1xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	1xNZM2 vertical 4 poles H = 600 mm plug-in technology Article No. per unit	2xNZM2 vertical 4 poles H = 400 mm fixed Article No. per unit	2xNZM2 vertical 4 poles H = 600 mm plug-in technology Article No. per unit
425	-	**XMN232404MV** 284020	-	**XMN241604MV** 284029	**XMN242404MV** 284033	-	-
600	**XMN231606MV** 284018	-	**XMN232406MV** 284022	-	- 284031	**XMN241606MV** 284035	**XMN242406MV**

. . . also for use in the Main Bus Bar Top (BBT) system

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for NZM3



wa_vt72913

Width mm	UK 1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 200 mm fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 250 mm fixed Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	2xNZM3 vertical 3 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 3 poles H = 600 mm withdrawable Article No. per unit
425	-	-	-	-	-	**XMN332404MV** 284046	-	**XMN332404MV** 284046
600	**XMN340606M-UK** 110257	**XMN330806M** 284038	**XMN331006M** 284041	**XMN341006M** 284054	**XMN341206M** 284057	-	**XMN332406MV** 284051	**XMN332406MV** 284051

Accessories for Outgoing Sections: Mounting Plates for NZM3 (cont.)



wa_vt72913

Width mm	1xNZM3 vertical 4 poles H = 600 mm fixed Article No. per unit	1xNZM3 vertical 4 poles H = 600 mm withdrawable Article No. per unit	1xNZM3, horizontal 3 poles, H = 200 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit	1xNZM3, horizontal 4 poles, H = 250 mm with motor lift, motor lift sticks 55 mm through front panel, no turning possible, fixed Article No. per unit	1xNZM3 horizontal 3 poles H = 250 mm plug-in technology Article No. per unit	1xNZM3 horizontal 4 poles H = 300 mm plug-in technology Article No. per unit
425	**XMN342404MV** 284062	**XMN342404MV** 284062	-	-	-	-
600	**XMN342406MV** 284067	**XMN342406MV** 284067	**XMN330806M** 284038	**XMN341006M** 284054	**XMN331006MP** 172199	**XMN341206MP** 172201

. . . also for use in the Main Bus Bar Top (BBT) system

Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Plates for Box Solution



VT00909

Width mm	NZM1 3+4 poles H = 200 mm horizontal Article No. per unit	NZM2 3 poles H = 200 mm horizontal Article No. per unit	NZM2 4 poles H = 300 mm fixed/withdraw. horizontal Article No. per unit	NZM3 H = 600 mm 3+4 poles fixed 3-poles fixed, withdrawable and plug-in vertical Article No. per unit	NZM3 3+4 poles H = 600 mm fixed, withdrawable and plug-in vertical Article No. per unit	NZM3 3+4 poles H = 300 mm fixed and plug-in horizontal Article No. per unit	NZM3 3+4 poles H = 500 mm withdrawable horizontal Article No. per unit
425	**XMN130804M-BS** 125973	**XMN230804M-BS** 125974	**XMN241204M-BS** 125975	**XMN342404M-BS** 125976	-	-	-
600	**XMN130806M-BS** 125977	**XMN230806M-BS** 125978	**XMN241206M-BS** 125979	-	**XMN342406M-BS** 125982	**XMN341206M-F-BS** 125980	**XMN342006M-W-BS** 125981

Accessories for Outgoing Sections: Mounting Plates for GS (disconnector)



wa_vt68813 wa_vt70613 wa_vt70413 wa_vt70313

Width mm	For 3 units of GS(TA) 00 or 1 GSTA3 H = 300 mm Article No. per unit	For 2 units of GS(TA) 1 H = 400 mm Article No. per unit	For 1 unit of GS(TA) 2 H = 400 mm Article No. per unit	For GS(TA) 3 H = 600 mm Article No. per unit
600	**XMG031206MV** 283952	**XMG131606MV** 283953	**XMG231606MV** 283954	**XMG332406M** 114834

. . . also for use in the Main Bus Bar Top (BBT) system

EATON Powering Business Worldwide

Accessories for Outgoing Sections: Mounting Brackets for Underground Mounting Plates



VT18409

	Underground bracket Article No. per unit unit = 2 pcs. left bracket, 2 pcs. right bracket	
	XMBD 283921	

Accessories for Outgoing Sections: Partitions for Internal Separation



VT25109



wa_vt58013



wa_vt57913



wa_vt71913

	Form 2 Partition connection area/ dropper bar area Article No. per unit unit = 1 set	Form 2/4 Partition connection area/ dropper bar area Article No. per unit unit = 1 set	Form 4 Partition switchgear area/ switchgear area Article No. per unit unit = 1 set	For Dubai only Form 4 Partition switchgear a./ switchgear a. without ventil. Article No. per unit unit = 1 set	Form 4 Closing strip switchgear a./ connection area L = 650 mm Article No. per unit unit = 1 set	Form 2/4 Connection area/ dropper bar area in the widths of 200/400/600 Article No. per unit unit = 1 set	
	XPFCD2006-PI-2 126019	**XPFCD2006** 284132	**XPFMM04** 284147	**XPFMM04-1** 109252	**XPFMC** 284146	**XPFCB02** 284745	
	XPFCD2008-PI-2 126020	**XPFCD2008** 284133	**XPFMM06** 284148	**XPFMM06-1** 109253	**-**	**XPFCB04** 284119	
	-	**-**	**-**		**-**	**XPFCB06** 284746	

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

Section width mm	Switchgear area width mm	Cable connect. area width mm	NZM outgoing sections Form 2/4 Article No. per unit unit = 1 set	Switch fuse unit section without door to the switchgear area Article No. per unit unit = 1 set	Removable design sections in 2/4 and SSL switch fuse unit sections with door to switchgear area Article No. per unit unit = 1 set	
600	425	172	**XPFBCB172** 158606			
800	425	372	**XPFBCB372** 158607			
	600	197	**XPFBCB197** 158608			
1000	600	397	**XPFBCB397** 158609			
1200	600	597	**XPFBCB597** 158610			
1000	600	385		**XPSBCB385** 158611		
1200	600	585		**XPSBCB585** 158613		
1000	600	320			**XPSBCB320** 158612	
1200	600	520			**XPSBCB520** 158614	

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Accessories for Outgoing Sections: Separation Panels



VT21209



wa_vt63313

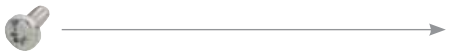
Width mm	For SL + SSL section section depth 600 mm Article No. per unit unit = 1 set	For SL + SSL section section depth 800 mm Article No. per unit unit = 1 set	For SL section and SSL section vertical install. section depth 600 mm with EVEN type of connection Article No. per unit unit = 1 set	For SL section and SSL section vertical instal. section depth 800 mm with EVEN type of connection Article No. per unit unit = 1 set	
600	**XPL-06** 284161	**XPL0608** 126006	**XPLB0606** 116456	**XPLB0608** 124415	
800	**XPL-08** 284162	**XPL0808** 126007	**XPLB0806** 116457	**XPLB0808** 124416	
1000	**XPL-10** 285500	**XPL1008** 126008	**XPLB1006** 116458	**XPLB1008** 124417	

Note * Finish in special RAL colour

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Screws

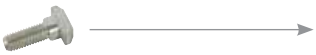
Screws and Accessories



VT11709



VT12609



wa_vt65813

Thread-cutting screws M 4 Article No. per unit unit = 100 pcs.	Thread-cutting screws M 5 Article No. per unit unit = 100 pcs.	Thread-cutting screws M 6 Article No. per unit unit = 100 pcs.	Thread-cutting flat-head screws M 6x22 Article No. per unit unit = 50 pcs.	Hammer-head screws M 10x30 Article No. per unit unit = 50 pcs.	Hammer-head screws M 10x50 Article No. per unit unit = 50 pcs.
XNNGFS-M4X6 177618	**XNNGFS-M5X6** 177620	**XNNGFS-M6X12** 141865	**XNSNK-M6X22-8** 126935	**XNNHKS-M10X30** 141867	**XNNHKS-M10X50** 141868
XNNGFS-M4X8 177619	**XNNGFS-M5X8** 177621	**XNNGFS-M6X20** 141866			
XNNGFS-M4X16 141863	**XNNGFS-M5X10** 141864				

Counter-sunk screw M 4 Article No. per unit unit = 100 pcs.	Counter-sunk screw M 5 Article No. per unit unit = 100 pcs.	Counter-sunk screw M 6 Article No. per unit unit = 100 pcs.	Counter-sunk screw M6 with small head (special for deviding plate) Article No. per unit unit = 100 pcs.	
XNNSNK-M4X12 177622	**XNNSNK-M5X12** 177623	**XNNSNK-M6X12** 177625	**XNNSNK-M6X12SH** 177626	
	XNNSNK-M5X16 177624			

. . . also for use in the Main Bus Bar Top (BBT) system

EATON Powering Business Worldwide

Screws and Accessories



VT11509 wa_vt65913 wa_vt73313

Saucer head screws (door fixing screws) M 8 Article No. per unit unit = 30 pcs.	Saucer head screws (door fixing screws) M 10 Article No. per unit unit = 30 pcs.	Saucer head screws (door fixing screws) M 12 Article No. per unit unit = 30 pcs.	Allen screws M8 Article No. per unit unit = 1 pc.	Stud-type screws M 10 Article No. per unit unit = 1 pc.	
XNNFRS-M8X70 168952	**XNNFRS-M10X50-8** 168948	**XNNFRS-M12X40-8** 168939	**XNNISKS-M8X60-8** 144601	**XTANS-DIN939-M10X80** 173039	
	XNNFRS-M10X60-8 168955	**XNNFRS-M12X45-8** 179633	**XNNISKS-M8X80-8** 144600	**XTANS-DIN939-M10X100** 173040	
	XNNFRS-M10X70-8 168953	**XNNFRS-M12X50-8** 141861	**XNNISKS-M8X100-8** 144599	**XNSTS-M10X140-S** 141841	
	XNNFRS-M10X80-8 168950	**XNNFRS-M12X60-8** 168940	**XNNISKS-M8X120-8** 144598		
		XNNFRS-M12X70-8 141862			
		XNNFRS-M12X80-8 168941			

. . . also for use in the Main Bus Bar Top (BBT) system

EATON Powering Business Worldwide

Screws and Accessories



VT11609

Hexagon head cap screws M 8 Article No. per unit unit = 50 pcs.	Hexagon head cap screws M 10 Article No. per unit unit = 50 pcs.	Hexagon head cap screws M 10 Article No. per unit unit = 30 pcs.	Hexagon head cap screws M 12 Article No. per unit unit = 30 pcs.	
XNNSKS-M8X10-8 179621	**XNSKS-M10X16-8** 179626	**XNNSKS-M10X140-8** 141883	**XNNSKS-M12X20-8** 179632	
XNNSKS-M8X12-8 179622	**XNNSKS-M10X20-8** 179627	**XNNSKS-M10X150-8** 179630	**XNNSKS-M12X40-8** 168958	
XNNSKS-M8X16 141894	**XNNSKS-M10X25-8** 179628	**XNNSKS-M10X160-8** 141884	**XNNSKS-M12X50-8** 168957	
XNNSKS-M8X20-8 179623	**XNNSKS-M10X30-8** 168951	**XNNSKS-M10X170-8** 179631	**XNNSKS-M12X55-8** 141890	
XNNSKS-M8X25-8 179624	**XNNSKS-M10X35-8** 168954	**XNNSKS-M10X180-8** 141885	**XNNSKS-M12X60-8** 168947	
XNNSKS-M8X30 168960	**XNNSKS-M10X40-8** 168945	**XNNSKS-M10X190-8** 141886	**XNNSKS-M12X70-8** 141891	
XNNSKS-M8X35 168959	**XNNSKS-M10X45-8** 141808	**XTANS-DIN558-M10X210** 173503	**XNNSKS-M12X80-8** 141892	
XNNSKS-M8X40-8 179625	**XNNSKS-M10X50-8** 168946		**XNNSKS-M12X90-8** 141893	
XNNSKS-M8X45 141895	**XNNSKS-M10X55-8** 168944		**XTANS-DIN558-M12X170** 173501	
XNNSKS-M8X50 168961	**XNNSKS-M10X60-8** 141887		**XTANS-DIN558-M12X180** 173502	
XNNSKS-M8X120-8 150271	**XNNSKS-M10X65-8** 168949			
XNNSKS-M8X130-8 150272	**XNNSKS-M10X70-8** 141888			
XNNSKS-M8X140-8 150273	**XNNSKS-M10X80-8** 141889			
XNNSKS-M8X150-8 150274	**XTANS-DIN558-M10X85** 173500			
XNNSKS-M8X160-8 150275	**XNNSKS-M10X90-8** 168942			
XNNSKS-M8X170-8 150276	**XNNSKS-M10X100-8** 141881			
XNNSKS-M8X190-8 150277	**XNNSKS-M10X110-8** 168943			
XNNSKS-M8X210-8 150278	**XNNSKS-M10X120-8** 141882			
XNNSKS-M8X230-8 150279	**XNNSKS-M10X130-8** 179629			

. . . also for use in the Main Bus Bar Top (BBT) system

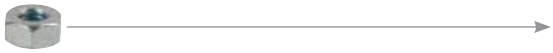
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Screws and Accessories (cont.)



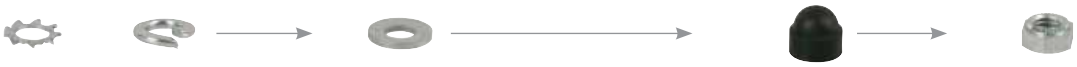
VT28710

Connection scews Hammer-head screws M 12 (suitable for SL-I) Article No. per unit unit = 30 pcs.
XNNHKS-M12X66 144071
XNNHKS-M12X80 144072
XNNHKS-M12X100 144073
XNNHKS-M12X120 144074



VT11909 VT12209

Hexagon nuts M 5 Article No. per unit unit = 50 pcs.	Hexagon nuts M 6 Article No. per unit unit = 50 pcs.	Hexagon nuts M 8 Article No. per unit unit = 50 pcs.	Hexagon nuts M 10 Article No. per unit unit = 50 pcs.	Hexagon nuts M 12 Article No. per unit unit = 50 pcs.	Washers M 6 Article No. per unit unit = 50 pcs.	Washers M 8 Article No. per unit unit = 50 pcs.	Washers M 10 Article No. per unit unit = 50 pcs.
XNNSKM-M5 141878	**XNNSKM-M6** 141879	**XNNSKM-M8** 141880	**XNNSKM-M10** 141876	**XNNSKM-M12** 141877	**XNNUS-6** 141900	**XNNUS-8** 141901	**XNNUS-10** 141899



VT12409 VT12309 Vt12109 VT12509 VtT12009

Contact washers (Tooth lock) M 6 Article No. per unit unit = 50 pcs.	Spring lock washers M 6 Article No. per unit unit = 50 pcs.	Spring lock washers M 8 Article No. per unit unit = 50 pcs	Curved washers M 8 Article No. per unit unit = 50 pcs.	Curved washers M 10 Article No. per unit unit = 50 pcs.	Curved washers M 12 Article No. per unit unit = 50 pcs.	Insulating caps M10 Article No. per unit unit = 50 pcs	Insulating caps M 12 Article No. per unit unit = 50 pcs.	Insert nuts M 10 Article No. per unit unit = 30 pcs.
XNNKS-M6 141871	**XNNFR-M6** 141859	**XNNFR-M8** 141860	**XNNSS-8-FST** 141898	**XNNSS-10-FST** 141896	**XNNSS-12-FST** 141897	**XNNIK-M10** 141869	**XNNIK-M12** 141870	**XNNEM-M12** 141858

. . . also for use in the Main Bus Bar Top (BBT) system

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Screws and Accessories (cont.)



VT28810

Retention washer
(washer and fixation
for the hammer-head
screw used for SL-I
M 12
Article No.
per unit
unit = 30 pcs.

XNHS-M12
144075



VT12109

Washer
(for Bus Bar Top)
M10

Article No.
per unit
unit = 50 pcs.

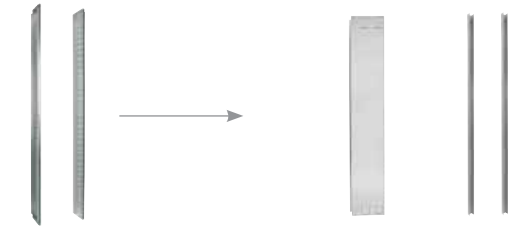
XTANW-DIN6340-M10
173095

. . . also for use in the Main Bus Bar Top (BBT) system

General Accessories

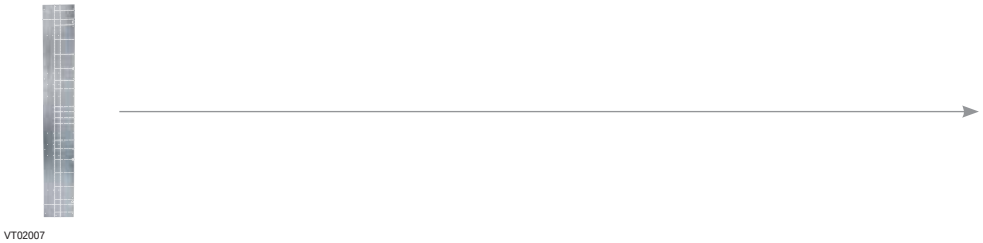
Mounting plates, mounting spars . . . . . Page xx
Partitions . . . . . Page xx
Crossbars, cross members, anchor rails . . . . . Page xx
Fixing brackets, support profiles . . . . . Page xx
xEnergy Main fitting frames . . . . . Page xx
Front panels closed . . . . . Page xx
Mounting plates . . . . . Page xx
Fitting frames, mounting frames . . . . . Page xx
Design strip . . . . . Page xx
Miscellaneous . . . . . Page xx

General Accessories: Mounting Plates, Mounting Spars



	Universal mounting plate Article No. per unit unit = 1 pair	Universal mounting plate with cut out for mechanical lock. Necessary for IZM63 4pole. Article No. per unit unit = 1 pair	Universal mounting plate, in shallow version Article No. per unit unit = 1 pair	Universal mounting spar Article No. per unit unit = 1 pair				
	XSMIB20 284257	**XSMIB20-Z** 150399	**XSMIB20-1** 107292	**XSMNB20** 285511				

General Accessories: Separation Panels



	Separation p. section/section f. sect. depth 200 mm Article No. per unit unit = 1 pc.	Separation p. section/section for sect. depth 400 mm Article No. per unit unit = 1 pc.	Separtion p. section/sect. f. sect. depth 600 mm Article No. per unit unit = 1 pc.	Separation p. section/sect. f. sect. depth 800 mm f. sect. depth 600 mm Article No. per unit unit = 1 pc.	Separation p. f. plug-in module sect. in Form 2 for sect. depth 800 mm Article No. per unit unit = 1 pc.	Separation p. f. plug-in module sect. in Form 2 slidable Article No. per unit unit = 1 pc.	Separation p. f. plug-in module sect. in Form 2 Article No. per unit unit = 1 pc.	
	XPSS2002 150495	**XPSS2004** 284781	**XPSS2006** 284178	**XPSS2008** 284179	**XPSS2004-PI-2** 120860	**XPSS2006-PI-2** 120861		

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General Accessories: Partitions, Main Busbar Covers over the total Section Width



wa_vt56913

	Partition separation p. switchgear a./ main busbar area H = 2000 mm W = 600 mm Article No. per unit unit = 1 pc.	Partition separation panel switchgear area/ main busbar area (used for correction) H = 2000 mm W = 800 mm Article No. per unit unit = 1 pc.	Main busbar cover over the total section width W=425-600mm Article No. per unit unit = 1 pc.	Main busbar cover over the total section width W=800-1000mm Article No. per unit unit = 1 pc.	Main busbar cover over the total section width W=1200mm Article No. per unit unit = 1 pc.	Main busbar cover over the total section width W=1350mm Article No. per unit unit = 1 pc.	
	XPBM2006 102053	**XPBM2008** 288998	**XPFCB04/06** 110265	**XPFCB08/10** 110266	**XPFCB12** 110267	**XPFCB135** 143193	

General Accessories: Main Busbar Covers over the total Section Width (arc-fault protected)



wa_vt56913

Explication: In contrast to the “ordinary“ cover of the main busbar, this cover reaches as high as up to the top. So the pressure generated by an arc fault can escape upwards.

	Arc-fault protected main busbar cover over the total section width W=425-600mm Article No. per unit unit = 1 pc.	Arc-fault protected main busbar cover over the total section width W=800-1000mm Article No. per unit unit = 1 pc.	Arc-fault protected main busbar cover over the total section width W=1200mm Article No. per unit unit = 1 pc.	Arc-fault protected main busbar cover over the total section width W=1350mm Article No. per unit unit = 1 pc.	
	XPFCBA04/06 172181	**XPFCBA08/10** 172180	**XPFCBA12** 172179	**XPFCBA135** 172178	

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General Accessories: Fixing Brackets

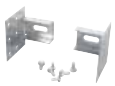


VT01211

Fixing brackets for cable strain relief rail

Article No.
per unit
unit = 10 pcs.

XNNBW-R
141851



wa_vt58313

Brackets for fixing the cable strain relief rail on the side

Article No.
per unit
unit = 1 pair

XNBW-R2
106740



wa_vt58413

Fixing brackets for raising the position of the cable strain relief rail

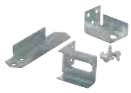
Article No.
per unit
unit = 1 pair

XNBW-R3
106741

Fixing brackets for cable strain relief rail directly at the frame

Article No.
per unit
unit = 1 pair

XNBW-R4
158618



VT00712

Fixing angle cable anchoring rails stock

Article No.
per unit
unit = 1 set

XNBW-RS
168122



VT00812

Fixing angle cable anchoring rails corner

Article No.
per unit
unit = 1 set

XNBW-RC
168121

General Accessories: Support Profiles



VT25009

Support profile over the total section height

Article No.
per unit
unit = 1 pc.

XSMPB20
288997

. . . also for use in the Main Bus Bar Top (BBT) system

General Accessories: Crossbars, Cross Members, Anchor Rails






wa_vt68713 wa_vt68613 wa_vt15013 wa_vt15013

Width mm	Crossbar for bar supports Article No. per unit unit = 1 pc.	Cross Memb. (corner sect.) Article No. per unit unit = 1 pair	Anchor rails Article No. per unit unit = 1 pc.	Anchor rails for cable outgoing s. (UK) only in combination with XSMPB20 Article No. per unit unit = 1 pc.
400	**XBBB04** 283859	**XSFS04** 284854	**XAR04** 283850	**XAR04-R2** 118737
600	**XBBB06** 283860	**XSFS06** 284775	**XAR06** 283851	**XAR06-R2** 118738
800	**XBBB08** 283861	**XSFS08** 284776	**XAR08** 283852	-
850	**XBBB085** 143187	-	**XAR085** 143183	-
1000	**XBBB10** 283862	-	**XAR10** 283853	-
1100	**XBBB11** 133098	-	**XAR11** 133076	-
1200	**XBBB12** 283863	-	**XAR12** 283854	-
1350	**XBBB135** 133099	-	**XAR135** 133077	-

. . . also for use in the Main Bus Bar Top (BBT) system

EATON Powering Business Worldwide

General Accessories: xEnergy Main Fitting Frames



wa_vt70913

Width mm	Fitting frame for original xEnergy Main front panels H = 600 mm Article No. per unit unir = 1 set	Fitting frame for original xEnergy Main front panels H = 2000 mm Article No. per unit unir = 1 set	
425	**XSMEX0604** 106556 122461*	**XSMEX2004** 106560 122465*	
600	**XSMEX0606** 106557 122462*	**XSMEX2006** 106561 122466*	
800	**XSMEX0608** 106558 122463*	**XSMEX2008** 106562 122467*	
1000	**XSMEX0610** 106559 122464*	**XSMEX2010** 106563 122468*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

General Accessories: Front Panels Closed

Incl. fastening material.



wa_vt54713

Width mm	H = 50 mm Article No. per unit unit = 1 set	H = 100 mm Article No. per unit unit = 1 set	H = 150 mm Article No. per unit unit = 1 set	H = 200 mm Article No. per unit unit = 1 set	H = 300 mm Article No. per unit unit = 1 set	H = 400 mm Article No. per unit unit = 1 set	H = 600 mm Article No. per unit unit = 1 set	H = 800 mm Article No. per unit unit = 1 set
425	**XME0204C** 283922 122121*	**XME0404C** 283926 122123*	**XME0604C** 283934 122129*	**XME0804C** 283939 122134*	**XME1204C** 283946 122139*	**XME1604C** 283948 122141*	**XME2404C** 294923 122412*	-
600	**XME0206C** 283924 122122*	**XME0406C** 283930 122126*	**XME0606C** 283936 122131*	**XME0806C** 283942 122136*	**XME1206C** 283947 122140*	**XME1606C** 283950 122142*	**XME2406C** 294924 122413*	**XME3206C** 294926 122415*
800	-	**XME0408C** 290353 122398*	**XME0608C** 106712 122501*	**XME0808C** 290352 122397*	**XME1208C** 126011 126012*	**XME1608C** 290350 122396*	**XME2408C** 294925 122414*	-
1000	-	**XME0410C** 106713 122502*	**XME0610C** 106714 122503*	**XME0810C** 106715 122504*	**XME1210C** 126013 126014*	**XME1610C** 106716 122505*	**XME2410C** 106717 122506*	-
1200	-	-	-	-	-	-	**XME2412C** 126015 126016*	-

Note * Finish in special RAL colour

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General Accessories: Mounting Plates - without Drill-holes

Incl. fastening material.

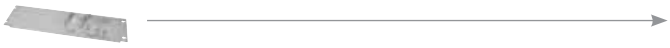


wa_vt33513

Width mm	H = 50 mm Article No. per unit unit = 1 set	H = 100 mm Article No. per unit unit = 1 set	H = 150 mm Article No. per unit unit = 1 set	H = 200 mm Article No. per unit unit = 1 set	H = 250 mm Article No. per unit unit = 1 set	H = 300 mm Article No. per unit unit = 1 set	H = 350 mm Article No. per unit unit = 1 set	H = 400 mm Article No. per unit unit = 1 set	H = 500 mm Article No. per unit unit = 1 set
425	**XME0204M** 283923	**XME0404M** 283929	**XME0604M** 284727	**XME0804M** 283941	**XME1004M** 144585	**XME1204M** 285684	**-**	**XME1604M** 283949	**-**
600	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M** 171724	**XME1606M** 283951	**XME2006M** 171725
800	**-**	**XME0408M** 285689	**XME0608M** 285690	**XME0808M** 285691	**XME1008M** 171728	**XME1208M** 285692	**XME1408M** 171729	**XME1608M** 285693	**XME2008M** 171730
1000	**-**	**XME0410M** 285695	**XME0610M** 285696	**XME0810M** 285697	**-**	**XME1210M** 285698	**-**	**XME1610M** 285699	**-**
1200	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

General Accessories: Mounting Plates - without Drill-holes (to be continued)

Incl. fastening material.



wa_vt33513

Width mm	H = 600 mm Article No. per unit unit = 1 set	H = 800 mm Article No. per unit unit = 1 set	H = 950 mm Article No. per unit unit = 1 set	H = 1000 mm Article No. per unit unit = 1 set	H = 1200 mm Article No. per unit unit = 1 set
425	**XME2404M** 285685	**-**	**-**	**-**	**-**
600	**XME2406M** 285687	**XME3206M** 126010	**XME3806M** 171660	**XME4006M** 171726	**XME4806M** 171727
800	**XME2408M** 285694	**XME3208M** 171731	**XME3808M** 171661	**XME4008M** 171732	**XME4808M** 171733
1000	**XME2410M** 285700	**-**	**XME3810M** 171662	**-**	
1200	**XME2412M** 102810	**-**	**XME3812M** 171663	**-**	**-**

. . . also for use in the Main Bus Bar Top (BBT) system

General Accessories: Mounting Plates as high as the Section, Universal Carrier Plates

Incl. fastening material.



VT20509



VT20409



VT27810

Width mm	Mounting plate as high as the section, main busbar rear-mounted H = 2000 mm incl. fastening bracket Article No. per unit unit = 1 set	Mounting plate as high as the section, main busbar top-mounted H = 2000 mm incl. fastening bracket Article No. per unit unit = 1 set		Carrier plate for universal use Article No. per unit unit = 1 set	
425	**XSMMFB2004** 284263	**XSMMFT2004** 284268		-	
600	**XSMMFB2006** 284264	**XSMMFT2006** 284269		**XMH0603** 144591	
800	**XSMMFB2008** 284265	**XSMMFT2008** 284270		**XMH0803** 144592	
1000	**XSMMFB2010** 284266	**XSMMFT2010** 284271		-	
1200	**XSMMFB2012** 284267	-		-	

. . . also for use in the Main Bus Bar Top (BBT) system

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General Accessories: Fitting Frames, Mounting Frames

For all other individual components, please refer to the Profi+ or IVS catalogue (front panels, switch-gear bars, ...)



wa_vt08513



wa_vt54213



wa_vt23013

Section width mm	Fitting frame for installation outgoers xBoard Profi+ max. fitting depth in door to switchgear a. 135 mm H = 2000 mm Article No. per unit unit = 1 set	Fitting frame for installation outgoers xBoard Profi+ max. fitting depth in door to switchgear a. 185 mm H = 2000 mm Article No. per unit unit = 1 set	Mounting frame for installation outgoers xBoard Profi+ to be used for fixed install., without MSW (cannot be turned out), in addition you will need support brackets for the front panels H = 2000 mm Article No. per unit unit = 1 set	Fitting frame for IVS in xEnergy Main H = 2000 mm Article No. per unit unit = 1 set	
425	**XVTL-BP-W-4/20** 115203	**XVTL-BP-W-4/20-185** 120624	**XVTL-BP-F-4/20** 115173	**XVTL-IVS-4/20** 115230	
600	**XVTL-BP-W-6/20** 115210	**XVTL-BP-W-6/20-185** 120628	**XVTL-BP-F-6/20** 115180	**XVTL-IVS-6/20** 115232	
800	**XVTL-BP-W-8/20** 115216	**XVTL-BP-W-8/20-185** 120631	**XVTL-BP-F-8/20** 115186	**XVTL-IVS-8/20** 115234	
1000	**XVTL-BP-W-10/20** 115222	**XVTL-BP-W-10/20-185** 120634	**XVTL-BP-F-10/20** 115192	-	
1200	**XVTL-BP-W-12/20** 115228	**XVTL-BP-W-12/20-185** 120637	**XVTL-BP-F-12/20** 115198	**XVTL-IVS-12/20** 115236	

Powering Business Worldwide

General Accessories: Design strips




Width mm	VT27910 Design strip blue RAL 5017 Article No. per unit unit = 1 pc.	VT35210 Design strip for corner section blue RAL 5017 Article No. per unit unit = 1 pc.			
425	**XSFDR04-B** 143201	**XSFDL-B** 143200			
600	**XSFDR06-B** 143202	-			
800	**XSFDR08-B** 143204	-			
850	**XSFDR085-B** 143203	-			
1000	**XSFDR010-B** 143205	-			
1100	**XSFDR11-B** 143206	-			
1200	**XSFDR12-B** 143207	-			
1350	**XSFDR135-B** 143208	-			

. . . also for use in the Main Bus Bar Top (BBT) system

General Accessories: Circuit Diagram Pocket, Assembly Kit for Sections, Section Connectors, Edge Protection, Cover Strips, Cable Duct Supports


wa_vt27213

Section connecting brackets
Article No.
per unit
unit = 2 pcs.

XACB
134484


wa_vt08413

Circuit diagram pocket
Article No.
per unit
per unit

XAB4
283482


VT16909

Set of sect. connecting material
Article No.
per unit
unit = 1 set

XAC
283483


wa_vt72613

Section connectors
Article No.
per unit
unit = 4 pcs.

XACC
126859


VT17009

Set of sect. connecting material IP55
Article No.
per unit
unit = 1 set

XAC55
284793


VT18009

Edge protection
Article No.
per unit
unit = 2 m

XAK
283818

VT18109

Cover strips 12 MU (blind covers)
Article No.
per unit
per unit

XAS12
284708


wa_vt68513

Cable duct supports W = 425 mm
Article No.
per unit
per unit

XADB04
284710


wa_vt68513

Cable duct supports W = 600 mm
Article No.
per unit
per unit

XADB06
284711

General Accessories: Grounding Cable, Lifting Eyebolts, Hinges


VT16509

Grounding cable 10 mm² L = 420 mm
Article No.
per unit
unit = 20 pcs.

XNAE10
141842


wa_vt69313

Grounding cable 10 mm² L = 180 mm
Article No.
per unit
unit = 20 pcs.

XNAE10-18
141843

Grounding cable 6 mm² L = 300 mm
Article No.
per unit
per unit

BF2-OES
101665


VT16709

Grounding cable 4 mm² L = 420 mm
Article No.
per unit
unit = 20 pcs.

XNAE4-42
141845


wa_vt69213

Grounding cable 4 mm² L = 180 mm
Article No.
per unit
unit = 20 pcs.

XNAE4-18
141844


wa_vt01707

Lifting eyebolts
Article No.
per unit
unit = 4 pcs.

XAT
283855


VT25509

Hinges 180°
Article No.
per unit
unit = 2 pcs.

XAH180
284713

Hinges 180° left
Article No.
per unit
unit = 2 pcs.

XAH180L
284792

General Accessories: Fixing Brackets, Bar Supports, Earthquake Reinforcement Brackets Set


wa_vt58513

Fixing brackets bar supports
Article No.
per unit
unit = 10 pcs.

XNNBW-G
141848


wa_vt72513

Fixing brackets bar supports D = 600 mm
Article No.
per unit
unit = 10 pcs.

XNNBW-E06
141846

Fixing brackets bar supports D = 800 mm
Article No.
per unit
unit = 10 pcs.

XNNBW-E08
141847


VT27409

Fixing brackets bar supports D = 600 mm
Article No.
per unit
unit = 10 pcs.

XNNBW-G06
141849


VT27309

Fixing brackets bar supports D = 800 mm
Article No.
per unit
unit = 10 pcs.

XNNBW-G08
141850

Fixing brackets bar supports
Article No.
per unit
unit = 10 pcs.

XTAAB1
173036


VT09706

Fixing brackets for mounting rails
Article No.
per unit
unit = 4 pcs.

XNBW-M
290215


VT09013

Earthquake reinforcement-brackets set
Article No.
per unit
unit = 1 set

XASMS
171739

. . . also for use in the Main Bus Bar Top (BBT) system

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General Accessories: GFK Supports




wa_vt78213 wa_vt58113

Length mm	GFK supports 50x10 Article No. per unit unit = 5 pcs.	GFK supports 30x15 Article No. per unit unit = 5 pcs.	GFK supports 30x20 Article No. per unit unit = 5 pcs.	GFK supports 30x30 Article No. per unit unit = 5 pcs.	GFK supports 25x25 Article No. per unit unit = 5 pcs.
1150	**XNNS-50X10** 141874	**XNNS-30X15** 133071	**XNNS-30X20** 133072	**XNNS-30X30** 141872	**-**
1300	**XNNS-50X10X1300** 133075	**-**	**XNNS-30X20X1300** 133074	**XNNS-30X30X1300** 133073	**XNNS-25X25** 141873

General Accessories: Diaphragm Grommets



VT06508

	Diaphragm grommets metric M16 H03VV-F3x0,75mm² NYM 1x16,3x1,5mm² Article No. per unit unit = 100 pcs.	Diaphragm grommets metric M20 H03VV-F3x0,75mm² NYMM 5x1,5x2,5mm² Article No. per unit unit = 100 pcs.	Diaphragm grommets metric M25 H03VV-F3x0,75mm² NYM4x10mm² Article No. per unit unit = 100 pcs.	Diaphragm grommets metric M32 H03VV-F3x0,75mm² NYM 4x16/5x10mm² Article No. per unit unit = 100 pcs.	
	KT-M16 216983	**KT-M20** 207602	**KT-M25** 207603	**KT-M32** 207604	

General Accessories: F3A Flanges











VT28210 VT17407 VT09208 VT17507 VT17307 VT17607 VT17707 VT17807 VT17207

	Flange cap vented Article No. per unit unit = 1 pc.	Blank plate Article No. per unit unit = 10 pcs.	Blank plate sheet steel Article No. per unit unit = 1 pc.	4xM16, 6xM25/16, 8xM32/20 Article No. per unit unit = 1 pc.	2xM20, 8xM25/16, 4xM32/20, 1xM50/32 Article No. per unit unit = 1 pc.	2xM16, 12xM20, 2xM40/25, 2xM50/32 Article No. per unit unit = 1 pc.	24xM16, 13xM20 Article No. per unit unit = 1 pc.	2 grommets for cables up to Ø 70mm Article No. per unit unit = 1 pc.	Sponge-rubber flange 40 cables Ø 10-13mm 4 cables Ø 17-21mm 2 cables Ø 27-30mm Article No. per unit unit = 1 pc.
	F3A-V 149194	**F3A-0** 074182	**F3A-XP** 113426	**F3A-4** 081301	**F3A-8** 091468	**F3A-12** 076555	**F3A-34** 078928	**F3A-KTD** 083674	**F3A-D** 010145

. . . also for use in the Main Bus Bar Top (BBT) system

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General Accessories: UFK Flanges


VT34510

Fixing set for UFK flanges

Article No.
per unit
unit = 1 set

XBFUK
150665


VT34710

Add-on frame allowing to fix a UFK flange in a cut-out for F3A flanges

Article No.
per unit
unit = 1 pc.

UFK-AFP-F3A
150642


VT35010

Flange 8xM20, 6xM25 5xM32, 7xM40

Article No.
per unit
unit = 1 pc.

UFK1
150661


VT34810

Flange 4xM16, 32xM20 4xM25, 3xM40

Article No.
per unit
unit = 1 pc.

UFK3
150662


VT35110

Flange 6xM16, 12xM20 15xM25, 3xM32 3xM40

Article No.
per unit
unit = 1 pc.

UFK3
150663


VT34910

Flange 6xM16, 1xM20 4xM25, 5xM32 3xM50/63

Article No.
per unit
unit = 1 pc.

UFK4
150664

General Accessories: Locks and Lock Mechanisms


VT02809

Adapter kit profile half cylinder KABA

Article No.
per unit
unit = 1 set

XALA-KABA
110087

122588*


N8199

Profile half cylinder 10/30 single-door locking 1 key
Article No.
per unit
unit = 1 set

PHZ-E10/30-GS
138574

N8199

Profile half cylinder 10/30 multi-door locking 3 keys
Article No.
per unit
unit = 1 set

PHZ-E10/30-VS
138575


Vt12816

Reserve key single-door locking

Article No.
per unit
unit = 3 pcs.

KEY-E10/30-GS
138576


Vt12316

Keyplate for 3 mm Two-way Keybit

Article No.
per unit
unit = 1 set

XALKP-3MM-N
187342


wa_vt69413

Clip-down handle with push-button operation

Article No.
per unit
unit = 1 set

XALP-N
187343


Vt12116

Clip-down handle with push-button operation (old execution)
Article No.
per unit
unit = 1 set

XALP-OLD
189596


VT27509

Closure point frame (plastic version)

Article No.
per unit
unit = 4 pcs.

XELP-N
187344

Fixing bracket for door contact switch
Article No.
per unit
unit = 1 set

XAGGCB
126017

General Accessories: Paint, Door Profiles


VT12208

Spray paint RAL 7035

Article No.
per unit
unit = 1 pc.

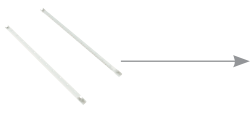
XAFS7035
101401


VT09405

Repair paint RAL 7035

Article No.
per unit
unit = 1 pc.

XAFL7035
101402


wa_vt78113

Door profile H = 600 mm for fixing cable ducts

Article No.
per unit
unit = 2 pcs.

XAGD06
116459

122623*

Door profile H = 2000 mm for fixing cable ducts

Article No.
per unit
unit = 1 pc.

BPZ-TP-20
119222

. . . also for use in the Main Bus Bar Top (BBT) system

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General Accessories: Steel Clips, Copper Clips, Terminal Board





wa_vt58713 wa_vt58613 VT16514

Steel clip (equal to copper clips) Article No. per unit unit = 50 pcs.	Copper clips 3 mm thick Article No. per unit unit = 50 pcs.	Copper clips 10 mm thick 30 mm wide Article No. per unit unit = 10 pcs.	Copper clips 10 mm thick 50 mm wide Article No. per unit unit = 10 pcs.	Copper clips 10 mm thick 60 mm wide Article No. per unit unit = 10 pcs.	Copper clips 10 mm thick 80 mm wide Article No. per unit unit = 10 pcs.	Copper clips 10 mm thick 100 mm wide Article No. per unit unit = 10 pcs.	Terminal board 30x30 Article No. per unit unit = 3 pcs.	
XNNSB 141875	**XNNCB** 141852	**XNNCD** 141853	**XNNCD50** 141855	**XNNCD60** 141856	**XNNCD80** 141857	**XNNCD100** 141854	**SAKS10CU** 151295	

General Accessories: Pressure Plate for Cu-Strip



VT34410

Pressure plate for Cu-strips 11x21x10 Article No. per unit unit = 10 pcs.	Pressure plate for Cu-strips 10x16x0.8 Article No. per unit unit = 10 pcs.	
XNSPP-11X21X10 144602	**XNSPP-10X16X08** 144603	

General Accessories: Sealing Plugs, xEnergy Main-Brand



VT34610

Set of sealing plugs 10.5 mm = 50 pcs. 5.5 mm = 50 pcs. Article No. per unit unit = 100 pcs.		
XNIK-SPARE 134486		

. . . also for use in the Main Bus Bar Top (BBT) system

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Components for 5000 A Applications

Accessories . . . . . Page xx
Frame parts . . . . . Page xx
Plinths . . . . . Page xx
Panels . . . . . Page xx
Top panels/Bottom panels . . . . . Page xx
Partition/Internal separation . . . . . Page xx

Accessories: Edge Protective Strip

For steel sheet thickness up to max. 1.6 mm



VT12614

Edge protective strip KG016 Article No. per unit unit = 10 m
XAK16 172203

Accessories: Isolators



VT00912

Isolator M10 H = 50 mm Article No. per unit unit = 1 set	Isolator M12 H = 50 mm Article No. per unit unit = 1 set
XNNIP-50-M10 179779	**XNNIP-50-M12** 167559

. . . also for use in the Main Bus Bar Top (BBT) system

Accessories: Terminals



wa_sg02913

Including label tags for terminals of type U, V, W - X, Y, Z - L1, L2, L3 - T1, T2, T3 - PE, N, PEN.
External connection for round or sector-shaped conductors, other end for a flat Cu strip (Cu bar).
Suitable for copper and aluminium conductors.
Types ...BR for round or sector-shaped cable connection on both ends.

	1 pole Article No. per unit unit = 1 set	3 poles Article No. per unit unit = 1 set	4 poles Article No. per unit unit = 1 set	5 poles Article No. per unit unit = 1 set	1 pole not suitable for Cu strip or Cu bar Article No. per unit unit = 1 set
I_e = 160 A	**K95/1N** 010773	**K95/3** 025017	**K95/4** 027390	**K95/5** 029763	**K95/1N/BR** 012336
I_e = 250 A	**K150/1** 089085	**K150/3** 032136	**K150/4** 034509	**K150/5** 036882	**K150/1/BR** 014709
I_e = 400 A	**K240/1** 091458	**K240/3** 039255	**K240/4** 041628	**K240/5** 044001	**K240/1/BR** 017082
I_e = 630 A	**K2X240/1** 093831	**K2X240/3** 046374	**K2X240/4** 048747	**K2X240/5** 051120	**K2X240/1/BR** 019455

Accessories: Conversion Kits for Connection Terminals (for one conductor)



VT10408

Can be used for one conductor.
For conversion from a flat strip to a cable connection.

	For K95/... I_e = 160 A Article No. per unit unit = 1 set	For K150/... I_e = 250 A Article No. per unit unit = 1 set	For K240/... I_e = 400 A Article No. per unit unit = 1 set	For K2X240/... I_e = 630 A Article No. per unit unit = 1 set
	D-K95 020277	**D-K150** 022650	**D-K240** 025023	**D-2X240** 027396

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Conversion Kits for Connection Terminals (for one Auxiliary Conductor)

Can be used for one auxiliary conductor.
M4 screw with thrust washer.
Cross section of connections 0.5 to 2.5 mm^2.



VT10408

For K95/... and K150/...	For K240/...	For K2X240/...	
Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	Article No. per unit unit = 1 set	
HK-K95-K150 001916	**HK-K240** 098585	**HK-K2X240** 010785	

Accessories: Terminal Covers - 5 poles

Incl. warning sign.
According to DIN (lightning flash symbol).
By splitting the block, you will get terminal covers for 3 or 4 poles.



wa_vt23613

For K95/...	For K150/...	For K240/...	For K2X240/...	
Article No. per unit unit = 4 pcs.	Article No. per unit per unit	Article No. per unit per unit	Article No. per unit per unit	
H-K95/5 036888	**H-K150/5** 039261	**H-K240/5** 041634	**H-K2X240/5** 044007	

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Cable Ducts - screw-fixed



VT08309, VT08709

Delivery length: 1500 mm

Width = 34 mm Height = 37 mm	Width = 34 mm Height = 63 mm	Width = 73 mm Height = 63 mm
Article No. per unit unit = 60 pcs.	Article No. per unit unit = 40 pcs.	Article No. per unit unit = 20 pcs.
KL25/35 012531	**KL25/60** 017277	**KL60/60** 029142

Accessories: Cable Ducts - self-adhesive



VT08309, VT08709

Delivery length: 650 mm.
Ambient temperature max. +55°C.

Width = 34 mm Height = 37 mm
Article No. per unit unit = 50 pcs.
KL25/35K 014904

Accessories: Cover for Cable Duct



VT08709

Delivery length: 1500 mm
Delivered as a spare part.

Width = 34 mm Height = 14 mm	Width = 73 mm Height = 14 mm
Article No. per unit unit = 60 pcs.	Article No. per unit unit = 40 pcs.
KD25 019649	**KD60** 024395

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Universal Conductor Connection Terminal 10 mm

With integrated retention spring, captive terminal screw.
For 10 mm thick flat rails.



VT13806

16 mm²
I_e = 180 A

Article No.
per unit
unit = 100 pcs.

AKU16/10
107191



VT13706

35 mm²
I_e = 270 A

Article No.
per unit
unit = 50 pcs.

AKU35/10
107192



VT13606

70 mm²
I_e = 400 A
also for double T-profile

Article No.
per unit
unit = 25 pcs.

AKU70/10
107193



VT13506

120 mm²
I_e = 440 A
also for double T-profile

Article No.
per unit
unit = 25 pcs.

AKU120/10
107194

Accessories: Cable Grommets



VT33710

For a wall thickness from 2 to 8 mm
RAL 7035
Soft PVC, cadmium and lead-free
IP66, with cable insertion from the bottom

PG21
Drill hole diameter 29.5 mm
Outer cable diameter 12.5-20 mm

Article No.
per unit
unit = 1 pc.

KT21
026777

PG42
Drill hole diameter 55 mm
Outer cable diameter 18-47 mm

Article No.
per unit
unit = 1 pc.

KT42
038642

Accessories: Blind Plug



01093088_0

RAL 7035
IP67
For diameter 22.5 mm

PG16

Article No.
per unit
unit = 50 pcs.

M22-M
216388

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Cable Tie Wraps



VT05111

Length = 98 mm	Length = 140 mm	Length = 2005 mm	
Article No. per unit unit = 1000 pcs.	Article No. per unit unit = 1000 pcs.	Article No. per unit unit = 100 pcs.	
ITB1 083550	**ITB2** 085923	**ITB3** 088296	

Accessories: DIN Rail



When used as a PE conductor, the short-circuit strength corresponds to a 16 mm^2 Cu conductor
Delivery length = 2 m

VT07310

DIN rail		
Article No. per unit unit = 20 pcs.		
TS35X7,5 053030		

Accessories: Mounting Brackets, inclined



For mounting TS35X7,5 or TS35X15 support rails in an inclined position. Sheet steel, zinc-plated .

VT16310

Mounting Brackets, inclined		
Article No. per unit unit = 100 pcs.		
TS1-BRA-CS 138772		

. . . also for use in the Main Bus Bar Top (BBT) system

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Accessories: Cable Guidance Clips



VT01112

Cable holder with fixing anchor (halogen-free)
Drill hole for fixing = Ø 4.7 mm
Max. number of cables in a bundle = 20 x 11 mm

	Cable guidance clips Article No. per unit unit = 100 pcs.
	XACACLIP 166691

Accessories: Design Strip - Rain Top



VT04111

To reach IP31 with drawers in test position or in open position you need to use a protruding design strip (rain shield). So the drawers are protected against vertical dripping water.
Without a rain shield you will reach IP30.

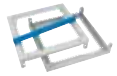
	Width = 1000 mm Article No. per unit unit = 1 pc.	Width = 1200 mm Article No. per unit unit = 1 pc.
	XSDR10-X1-B 155542	**XSDR12-X1-B** 155543

. . . also for use in the Main Bus Bar Top (BBT) system

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Frames

Come with blue design strip



VT13310



VT00811



VT00111



wa_vt65713

Section width mm	Frame depth 200 mm for 5000 A application consists of top and bottom element Article No. per unit unit = 1 set		Vertical profiles for 5000 A application consists of 4 profiles Article No. per unit unit = 1 set
425	**XSFB0402** 150464 151686*		**XSFH20-I-D** 150482 151694*
600	**XSFB0602** 150465 151687*		
800	**XSFB0802** 150466 151688*		
850	**XSFB08502** 150467 151689*		
1000	**XSFB1002** 150468 151690*		
1100	**XSFB1102** 150469 151469*		
1200	**XSFB1202** 150480 151692*		
1350	**XSFB13502** 150481 151693*		

Section depth mm	Corner section extension set 1050x1050 for 5000 A application to fit on standard corner section Article No. per unit unit = 1 set	Add-on frame width 150 mm for 5000 A application Article No. per unit unit = 1 pc.	
1000	**XSC200808-E10** 150522	**XSAF2000-150-1000** 150493 151705*	

Note * Finish in special RAL colour

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Plinths

Consist of: 4x corner element, 2x side plate, 2x front cover/rear cover



VT08106



wa_vt66713



wa_vt69513

Section width mm	Plinth Height 100mm section depth 1000mm for 5000 A application Article No. per unit unit = 1 pc.	Plinth Height 200mm section depth 1000mm for 5000 A application Article No. per unit unit = 1 pc.	Plinth for corner sections Height 100mm section depth 1000mm Article No. per unit unit = 1 pc.	Plinth for corner sections Height 200mm section depth 1000mm Article No. per unit unit = 1 pc.
425	**XAP010410** 150496 151707*	**XAP020410** 150504 151715*	-	-
600	**XAP010610** 150497 151708*	**XAP020610** 150505 151716*	-	-
800	**XAP010810** 150498 151709*	**XAP020810** 150506 151717*	-	-
850	**XAP0108510** 150499 151710*	**XAP0208510** 150507 151718*	-	-
1000	**XAP011010** 150500 151711*	**XAP021010** 150508 151719*	**XAP011010C** 150512 151723*	**XAP021010C** 150513 151724*
1100	**XAP011110** 150501 151712*	**XAP021110** 150509 151720*	-	-
1200	**XAP011210** 150502 151713*	**XAP021210** 150510 151721*	-	-
1350	**XAP0113510** 150503 151714*	**XAP0213510** 150511 151722*	-	-

Frame width mm	Plinth for add-on frames height 100 mm width 150 mm Article No. per unit unit = 1 pair	Plinth for add-on frames height 200 mm width 150 mm Article No. per unit unit = 1 pair
150	**XAP01AF150** 150491 151703*	**XAP02AF150** 150492 151704*

Note * Finish in special RAL colour

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Panels



VT07706



VT07906

Section depth mm	Side panel up to IP55 Article No. per unit unit = 2 pcs.	Separation panel section/ section Article No. per unit unit = 1 pc.	
200	**XAW2002** 150494 151706*	**XPSS2002** 150495	

Top panels/Bottom panels

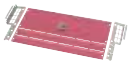
wa_vt25513

Section width mm	Top panel Bottom panel closed 200 mm depth up to IP55 for 5000 A appliances Article No. per unit unit = 1 pc.	
425	**XSPTC0402** 150483 151695*	
600	**XSPTC0602** 150484 151696*	
800	**XSPTC0802** 150485 151697*	
850	**XSPTC08502** 150486 151698*	
1000	**XSPTC1002** 150487 151699*	
1100	**XSPTC1102** 150488 151700*	
1200	**XSPTC1202** 150489 151701*	
1350	**XSPTC13502** 150490 151702*	

Note * Finish in special RAL colour

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Partition/Internal separation



wa_vt71313

Section width mm	Partition extension for 5000 A application busbar area/ main busbar area/ (suitable for IZM and NZM) Article No. per unit	
425	**XPIBCB-H-04019** 150514	
600	**XPIBCB-H-06019** 150515	
800	**XPIBCB-H-08019** 150516	
1000	**XPIBCB-H-10019** 150518	
1100	**XPIBCB-H-11019** 150519	
1200	**XPIBCB-H-12019** 150520	
1350	**XPIBCB-H-135019** 150521	

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Accessories for Outgoing Sections: Continuous Mounting Plate/Partition for Cable Connection Area in an Outgoing Section



VT01611

For fixing terminals/contact blocks in the cable connection area; it also serves as a partition between cable connection area and main busbar area. For outgoing sections in a 5000 A system (with an additional main busbar area) using this type of partitions is compulsory.

Section width mm	Switchgear area width mm	Cable connect. area width mm	NZM outgoing sections Form 2/4 Article No. per unit unit = 1 set	Switch fuse unit section without door to the switchgear area Article No. per unit unit = 1 set	Removable design sections in 2/4 and SSL switch fuse unit sections with door to switchgear area Article No. per unit unit = 1 set	
600	425	172	**XPFBCB172** 158606			
800	425	372	**XPFBCB372** 158607			
	600	197	**XPFBCB197** 158608			
1000	600	397	**XPFBCB397** 158609			
1200	600	597	**XPFBCB597** 158610			
1000	600	385		**XPSBCB385** 158611		
1200	600	585		**XPSBCB585** 158613		
1000	600	320			**XPSBCB320** 158612	
1200	600	520			**XPSBCB520** 158614	

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Standards, formulae, tables - degrees of protection of electrical components

The International Protection Rating of electric components through enclosures, covers and similar measures according to IEC/EN 60529 (VDE 0470 Part1)

The level of protection of electric components through suitable encapsulation consists of the letters IP followed by two digits. The first digit indicates the level of protection against unintentional contact and ingress of solid foreign bodies. The second digit indicates the protection of the equipment inside the enclosure against harmful ingress of water.

Protection against unintentional contact and ingress of solid foreign bodies

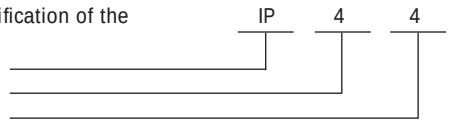
First digit	Protected against	Explanation
0	Not protected	No particular protection of individuals against contact with live or movable parts. No protection against ingress of solid foreign objects.
1	Protected against object size ≥ 50 mm	Protected against access of the back of a hand to hazardous parts. The access probe, a ball of 50 mm diameter, needs to be placed in sufficient distance to hazardous parts. The object probe, a ball of 50 mm diameter, must not be able to fully penetrate.
2	Protected against object size ≥ 12.5 mm	Protected against access to hazardous parts with a finger. The subdivided test finger of 12 mm diameter and 80 mm length must be at a safe distance from hazardous parts. The object probe, a ball of 50 mm diameter, must not be able to fully penetrate.
3	Protected against object size ≥ 2.5 mm	Protected against access to hazardous parts with a tool. The access probe of 2.5 mm diameter must not be able to penetrate. The object probe of 2.5 mm diameter must not be able to penetrate at all.
4	Protected against object size ≥ 1 mm	Protected against access to hazardous parts with a piece of wire. The access probe of 1 mm diameter must not be able to penetrate. The object probe of 1 mm diameter must not penetrate at all.
5	Protected against dust deposit	Protected against access to hazardous parts with a piece of wire. The access probe of 1 mm diameter must not be able to penetrate. Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
6	Protected against ingress of dust Dust tight	Protected against access to hazardous parts with a piece of wire. The access probe of 1 mm diameter must not be able to penetrate. No ingress of dust.

Protection against harmful ingress of water

Second digit	Protected against	Explanation
0	Not protected	No particular protection.
1	Protected against vertically dripping water	Dripping water (vertically falling drops) shall have no harmful effect.
2	Protected against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of up 15° from its normal position on either side of the vertical line.
3	Protected against spraying water	Water falling as a spray at any angle up to 60° from the vertical line shall have no harmful effect.
4	Protected against splashing water	Water splashing against the enclosure from any direction shall have no harmful effect.
5	Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect.
6	Protected against powerful water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effect.
7	Protected against occasional immersion	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time.
8	Protected against permanent immersion	The equipment is suitable for continuous immersion in water under conditions which shall be agreed between the manufacturer and the user. The conditions must be more difficult than in code number 7.
9K *)	Protected against high-pressure or steam-jet cleaning	Water coming from any direction under increased pressure shall have no harmful effect. Water pressure 100 bar. Water temperature 80° C.

*) This code number i defined in the DIN 40050-9 standard

Example for the specification of the degree of protection:



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Standards, formulae, tables - overcurrent protection of cables and conductors

Minimum cross-sections for protective conductors acc. to DIN VDE 0100-510 (1987-06, t), DIN VDE 0100-540 (1991-11)

	Prot. cond. or PEN-conductor[1]		Prot. conductor [3] separately laid		
Phase conductor	Insulated high-voltage lines	0.6/1-kV-cable with 4 conductors	Protected		Unprotected[2]
mm²	mm²	mm² Cu	mm² AL	Cu	mm²
up to 0.5	0.5	–	2.5	4	4
0.75	0.75	–	2.5	4	4
1	1	–	2.5	4	4
1.5	1.5	1.5	2.5	4	4
2.5	2.5	2.5	2.5	4	4
4	4	4	4	4	4
6	6	6	6	6	6
10	10	10	10	10	10
16	16	16	16	16	16
25	16	16	16	16	16
35	16	16	16	16	16
50	25	25	25	25	25
70	35	35	35	35	35
95	50	50	50	50	50
120	70	70	70	70	70
150	70	70	70	70	70
185	95	95	95	95	95
240	–	120	120	120	120
300	–	150	150	150	150
400	–	185	185	185	185

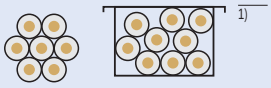
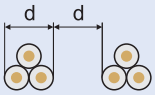
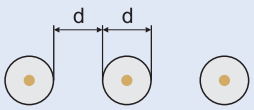
1) PEN-conductor ≥ 10 mm² Cu or 18 mm² Al.
2) Unprotected laying of aluminium conductors is not authorized.
3) As of a phase conductor cross-section of ≥ 95 mm² we recommend you preferably use blank conductors.

Standards, formulae, tables - rated motor currents

Motor capacity			230 V			400 V		
			Rated motor current	Fuse		Rated motor current	Fuse	
				Direct start	Y/Δ		Direct start	Y/Δ
kW	cos φ	η [%]	A	A	A	A	A	A
0,06	0,7	58	0,37	2	–	0,21	2	–
0,09	0,7	60	0,54	2	–	0,31	2	–
0,12	0,7	60	0,72	4	2	0,41	2	–
0,18	0,7	62	1,04	4	2	0,6	2	–
0,25	0,7	62	1,4	4	2	0,8	4	2
0,37	0,72	66	2	6	4	1,1	4	2
0,55	0,75	69	2,7	10	4	1,5	4	2
0,75	0,79	74	3,2	10	4	1,9	6	4
1,1	0,81	74	4,6	10	6	2,6	6	4
1,5	0,81	74	6,3	16	10	3,6	6	4
2,2	0,81	78	8,7	20	10	5	10	6
3	0,82	80	11,5	25	16	6,6	16	10
4	0,82	83	14,8	32	16	8,5	20	10
5,5	0,82	86	19,6	32	25	11,3	25	26
7,5	0,82	87	26,4	50	32	15,2	32	16
11	0,84	87	38	80	40	21,7	40	25
15	0,84	88	51	100	63	29,3	63	32
18,5	0,84	88	63	125	80	36	63	40
22	0,84	92	71	125	80	41	80	50
30	0,85	92	96	200	100	55	100	63
37	0,86	92	117	200	125	68	125	80
45	0,86	93	141	250	160	81	160	100
55	0,86	93	173	250	200	99	200	125
75	0,86	94	233	315	250	134	200	160
90	0,86	94	279	400	315	161	250	200
110	0,86	94	342	500	400	196	315	200
132	0,87	95	401	630	500	231	400	250
160	0,87	95	486	630	630	279	400	315
200	0,87	95	607	800	630	349	500	400
250	0,87	95	–	–	–	347	630	500
315	0,87	96	–	–	–	544	800	630
400	0,88	96	–	–	–	683	1000	800
450	0,88	96	–	–	–	769	1000	800
500	0,88	97	–	–	–	–	–	–
560	0,88	97	–	–	–	–	–	–
630	0,88	97	–	–	–	–	–	–

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Standards, formulae, tables - max. operating current allowed and power loss of insulated conductors acc. to EN 60890

Cross-section (Cu)	Max. conductor temperature allowed is 70°C											
	 1)											
	Air temperature inside the enclosure, around the conductor											
	35°C		55°C		35°C		55°C		35°C		55°C	
	Operating curr.	Power loss 2)	Operating curr.	Power loss 2)	Operating curr.	Power loss 2)	Operating curr.	Power loss 2)	Operating curr.	Power loss 2)	Operating curr.	Power loss 2)
mm²	A	W/m	A	W/m	A	W/m	A	W/m	A	W/m	A	W/m
1,5	12	2,1	8	0,9	12	2,1	8	0,9	12	2,1	8	0,9
2,5	17	2,5	11	1,1	20	3,5	12	1,3	20	3,5	12	1,3
4	22	2,3	14	1,1	25	3,4	18	1,8	25	3,4	20	2,2
6	28	2,8	18	1,2	32	3,7	23	1,9	32	3,7	25	2,3
10	38	3,0	25	1,3	48	4,8	31	2,0	50	5,2	32	2,1
16	52	3,7	34	1,6	64	5,6	42	2,4	65	5,8	50	3,4
25					85	6,3	55	2,6	85	6,3	65	3,7
35					104	7,5	67	3,1	115	7,9	85	5,0
50					130	7,9	85	3,4	150	10,5	115	6,2
70					161	8,4	105	3,6	175	9,9	149	7,2
95					192	8,7	125	3,7	225	11,9	175	7,2
120					226	9,6	147	4,1	250	11,7	210	8,3
150					275	11,7	167	4,3	275	11,7	239	8,8
185					295	10,9	191	4,6	350	15,4	273	9,4
240					347	12,0	225	5,0	400	15,9	322	10,3
300					400	13,2	260	5,6	460	17,5	371	11,4

Conductors for auxiliary power circuits

					Cross-section
0,12	2,6	1,2	1,7	0,5	0,4
0,14	2,9	1,3	1,9	0,6	-
0,20	3,2	1,1	2,1	0,5	-
0,22	3,6	1,3	2,3	0,5	0,5
0,30	4,4	1,4	2,9	0,6	0,6
0,34	4,7	1,4	3,1	0,6	0,6
0,50	6,4	1,8	4,2	0,8	0,8
0,56	6,4	1,6	4,2	0,7	-
0,75	8,2	1,9	5,4	0,8	1,0
1,00	9,3	1,8	6,1	0,8	-

1) Any way of laying, 6 wires at 100% load at the same time.
2) Single length.

In case of less conductor load, you can calculate as follows:

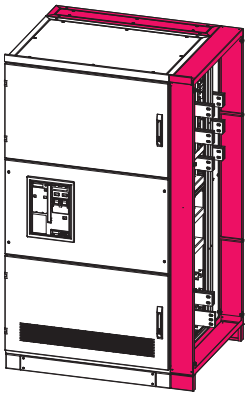
$$P = P_n \left(\frac{I}{I_n}\right)^2$$

P Power loss in W/m
I Conductor current (load)
I_n Operating current
P_n Power loss at I_n

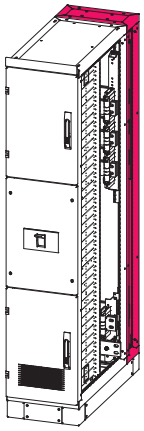
EATON Powering Business Worldwide

XP = Power sections

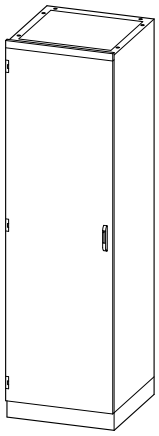
Incoming supplies, outgoers and couplings up to 5000 A
- cable connection from the top and bottom
- busbar positions rear-mounted - bottom/top mounted or running under the top panel
- section height 2000 mm / section depth 400/600/800/1000 (1000 = 800+200) mm
- internal separations up to Form 4



Air circuit breakers IZM and IZMX
- widths of 425/600/800/1000/1100/1200/1350 mm
- fixed or withdrawable
- 3 or 4 poles
- with a second busbar suitable as a coupling section
- 630 - 5000 A
- Form 4
- IP31, IP55 with IZM-XDT protective cover
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated from outside
- suitable for switchgear with remote operation



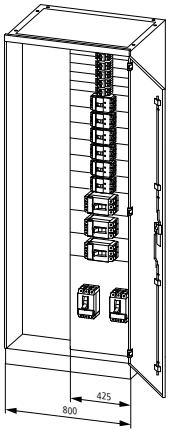
Compact circuit breakers NZM3/4 in Form 4
- widths of 425/600/800/1000 mm
- fixed or withdrawable
- 3, 4 or 3+TPN poles
- with a second busbar suitable as a coupling section
- 250 - 630 A (NZM3)
- 630 - 1600 A (NZM4)
- Form 4
- IP31, IP42, IP55
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated from outside
- installation of two switching devices in one section is possible
- suitable for switchgear with remote operation



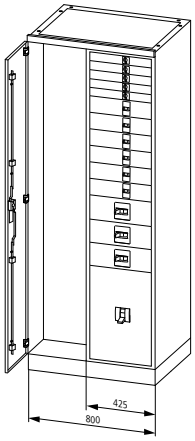
Compact circuit breakers NZM4 in Form 2
- widths of 425/600/800 mm
- fixed or withdrawable
- 3 or 4 poles
- with a second busbar suitable as a coupling section
- 630 - 1600 A
- Form 2
- IP31/55
- suitable for drill-free cable connection, can be installed at the top or bottom
- to be operated behind the door as high as the section
- suitable for switchgear with remote operation

XF = Outgoing secions - Fixed design

- Outgoers with circuit breakers PKZ, NZM, FAZ, switch fuse units and fuse switch disconnectors up to 630 A
- for busbar positions at the rear - top/bottom or running under the top panel
- section height 2000 mm / section depth 600/800 mm

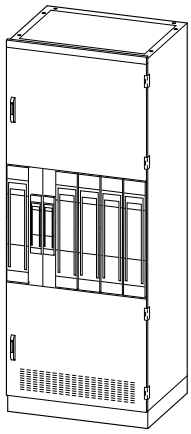


Outgoing sections for outgoers up to 630 A in Form 2
- widths of 800/1000/1200 mm
- module widths of 425 and 600 mm
- 3 or 4 poles
- Form 2
- IP31/55
- consistent mounting height of switchgear
- circuit breakers suitable for use with plug base
- single-wing section door up to 800/1000 mm, 2-wing door for 1200 mm
- suitable for switchgear with remote operation
- operation behind the door
- dropper bar to be selected from 800-1600 A
- separate set-up in 2 separate sections is possible, e.g. 600 mm/600 mm. Switchgear area/cable connection area

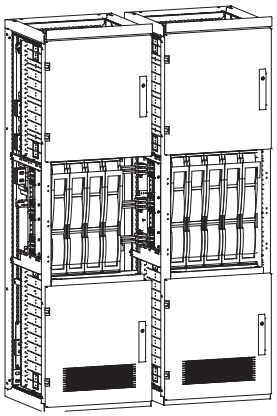


Outgoing sections for fixed outgoers up to 630 A in Form 4
- widths of 800/1000/1200 mm
- module widths of 425 and 600 mm
- each module comes with its own front panel
- 3 or 4 poles
- Form 4
- IP31/55
- circuit breakers suitable for use with plug base - NZM3 with plug base ... in 800 mm deep sections
- suitable for switchgear with remote operation
- separate doors to switchgear area and connection area
- transparent doors (glass doors) are possible
- dropper bar to be selected from 800-1600 A
- separate set-up in 2 separate sections is possible, e.g. 600 mm/600 mm. Switchgear area/cable connection area

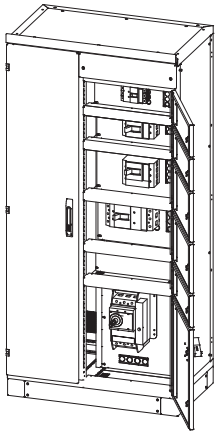
xEnergy Main Switchboards



Outgoing sections for fuse strips up to 630 A (SL)
- widths of 600/800/1000 mm
- vertical position of fuse strips
- IP31/ IP55 with door in section height
- outgoers are possible downwards and upwards
- Form 2
- operation from outside or behind the door

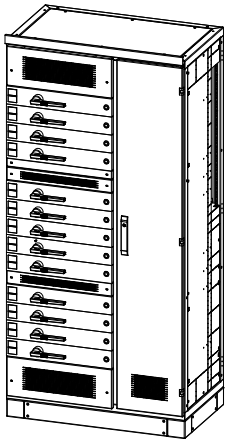


Outgoing section for fuse strips up to 630A with section dropper bar up to 1600-3200 A (SL-I) across two sections
- widths of 600/800/1000 mm
- dropper bar to be selected from 1600-3200 A
- Form 2
- fuse strips in vertical position
- IP31/ IP55 with door as high as the section
- outgoers are possible downwards and upwards
- up to 40% Cu savings
- operation from outside or behind the door
- quick and easy mounting of fuse strips thanks to the double-bar system



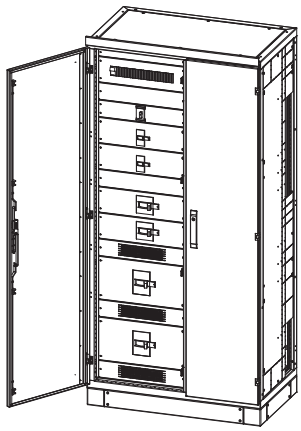
Box solution
- widths of 600/1000/1200 mm
- module widths of 425/600 mm
- each module comes with its own door to the switchgear area
- 3 or 4 poles
- fixed or withdrawable
- suitable for switchgear with remote operation
- to be operated behind the door or with rotary door coupling handle
- dropper bar to be selected from 800-1600 A
- empty and module panels for the set-up of outgoers (RCD, FAZ ...)
- Form 4
- IP31/55

XR-PIFT = Outgoing sections - Removable design



Outgoing sections for switch fuse units (load disconnector units) up to 630 A (SSL)
- widths of 600/800/1000/1200 mm
- suitable for rear-mounted main busbar HSS
- horizontal and vertical position of fuse switch disconnector strips is possible
- can be installed while energized (fuse strips)
- IP31
- outgoers are possible downwards and upwards
- Form 4
- operation from outside
- dropper bar selectable from 800-1600 A

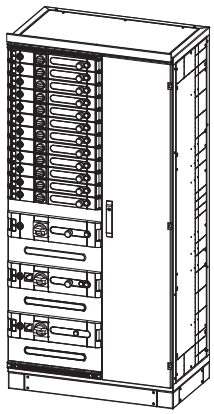
XR-Mix = Outgoing sections - Plug-in technology, Fixed design, Box Solution, PIFT



Outgoing sections - Removable (plug-in module) design
- widths of 1000/1200 mm
- module width 600 mm
- can be equipped to meet requirements of Form 2 to 4 / up to Type 7
- 3 or 4-pole
- IP31/42/55
- dropper bar selectable from 800-1600 A
- Short-circuit current/dropper bar ICW: up to 80 kA
- finger-safe cover for dropper bars
- consistently equal height of mounting plates with fixed installation
- in Form 2 section door in 1 piece (for 800/1000 mm, for 1200 mm in two pieces)
- to be operated behind the door or with rotary door coupling handle
- can be equipped with fixed modules, removable modules, PIFT modules and Box Solution
- same removable modules for Form 2+4
- Energy modules (with circuit breakers) can be expanded/combined with universal modules
- modules can be replaced while energized
- modules can be combined (fixed/removable design/PIFT)
- switchgear can be realized for remote operation

xEnergy Main Switchboards

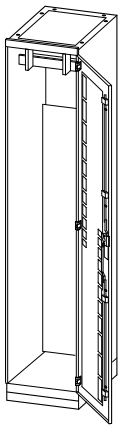
XW = Outgoing sections - Withdrawable design

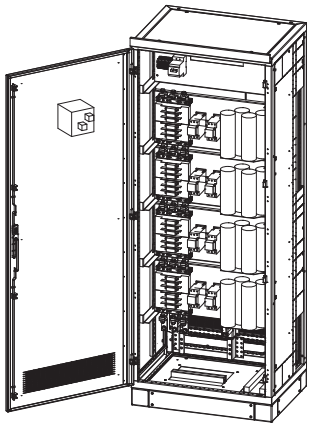


Outgoing sections - withdrawable design

- widths of 1000/1200 mm
- section depths of 600/800/1000 mm
- 3 or 4 poles
- rated current of dropper bars I_n=1000 or 2000 A / 3 or 4 poles
- max. short-circuit current I_{CW}=80 kA
- IP31/55
- shelf-boards can be mounted at individual heights, depending on the size of the modules
- max. height of dropper bar available to accommodate equipment = 1875 mm
- cable connection area, fully sealed off from the switchgear area, main busbar area and dropper bar area
- dropper bar at the front fully sealed off thanks to self-closing shutters
- drawers available:
  power outgoers up to 630 A
  direct starters from 0.06-132 kW
  reverse starters from 0.06-132 kW
  star-triangle starters from 5.5-110 kW
- outgoers from 132 to 250 kW are executed as fixed design solutions

XG = Empty sections for General equipment

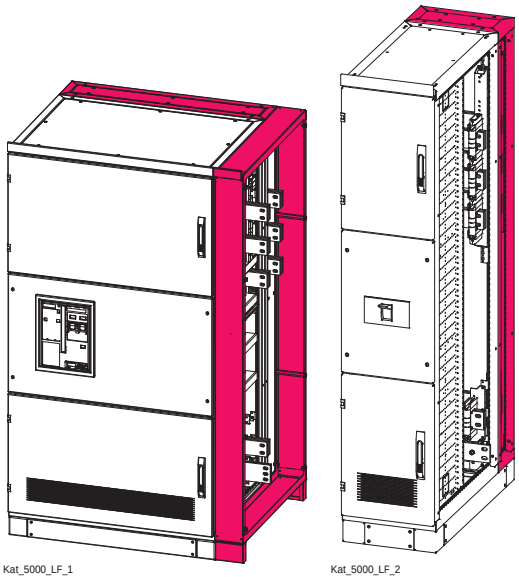




Empty sections for individual mounting units

- fitting systems for modular installation devices (IVS, EP, Profi+ ...)
- individual mounting units fixed on mounting plates
- control technology - suitable for installation of mounting plates as high as the section, or of split ones
- section height 2000 mm
- section depths of 400/600/800 mm
- section widths of 425/600/800/850/1000/1100/1200/1350 mm
- IP31/55

System description - 5000 A Solution



Kat_5000_LF_1 Kat_5000_LF_2

For 5000 A, the red-coloured parts are required in addition.

Up to 5000 A

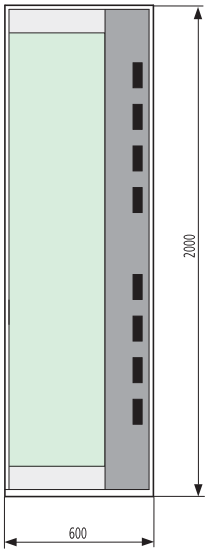
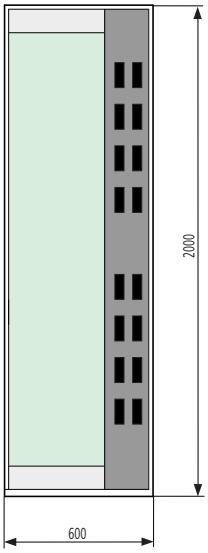
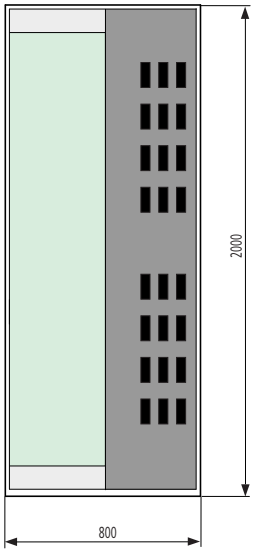
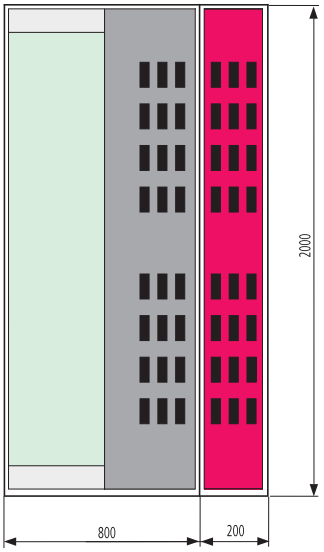
Generally, all section variants can also be used for the 5000 A solution. In order to get the 5000 A at the main busbar, you need to add an extra 200 mm deep frame at the rear of the standard section (800 mm deep) so as to create the space necessary for a second main busbar track.

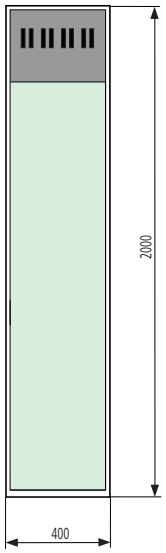
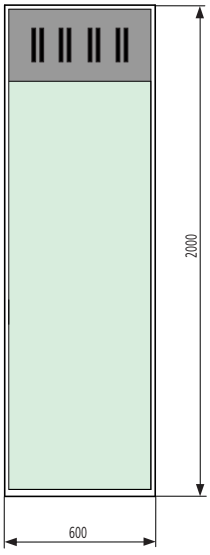
You may need to check if extra partitions are required!

System explanation see the page after the next one.

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System description - main busbars and section depths

Busbar Rated current Ie (Cu cross-sections)	800 A (1 x 40 x 10 mm²) 1250 A (1 x 60 x 10 mm²)	1600 A (2 x 40 x 10 mm²) 2000 A (2 x 60 x 10 mm²) 2500 A (2 x 80 x 10 mm²) 3200 A (3 x 80 x 10 mm²)	4000 A (3 x 80 x 10 mm²)	5000 A 2x(3 x 80 x 10 mm²)
Rear-mounted (side view)	 Kat_HSS_SB	 00155946_0	 00155956_0	 Kat_HSS_5000

Busbar Rated current Ie (Cu cross-sections)	800 A (2 x 20 x 10 mm²) 1250 A (2 x 40 x 10 mm²) 1600 A (2 x 60 x 10 mm²)	1250 A (2 x 40 x 10 mm²) 1600 A (2 x 60 x 10 mm²) 2000 A (2 x 80 x 10 mm²) 2500 A (2 x 100 x 10 mm²) 3200 A (2 x 120 x 10 mm²)
Top-mounted (side view)	 00155966_0	 00155976_0

Busbar area

Switchgear area

Additional busbar area for 5000 A

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Grounding Concept

The equipotential bonding in the xEnergy Main switchboard cabinet system is based on several protective measures

1) Grounding thanks to fixing the grounding bar directly at the frame
2) Grounding thanks to ring-type tapping screws
3+4) Grounding thanks to a grounding cable
5) Grounding thanks to toothed washers

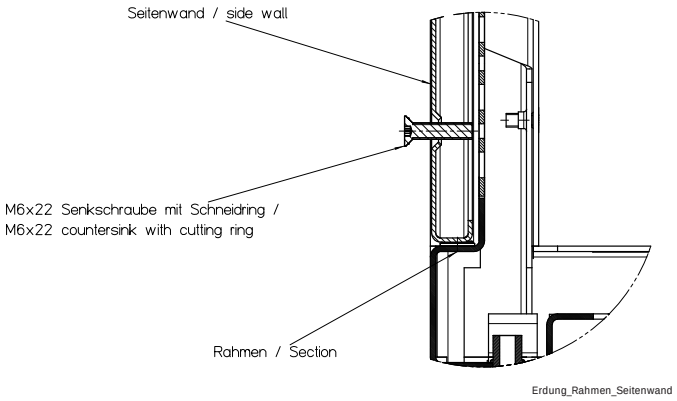
1) Grounding bar

The grounding bar is directly fixed at the frame with an XBSP carrier bracket no. 283872. Each bracket needs to be fixed with 3 self-tapping screws (Tapetite M6x12). This means that at least 2 of these fixing brackets are mounted in each cabinet, which is enough to establish a sufficient grounding connection to the frame. Should you wish to build cabinets without a grounding bar (e.g. general sections), the equipotential bonding has to be done directly at the grounding point of the frame (the grounding point is situated on the right side of the floor-standing group of the frame).

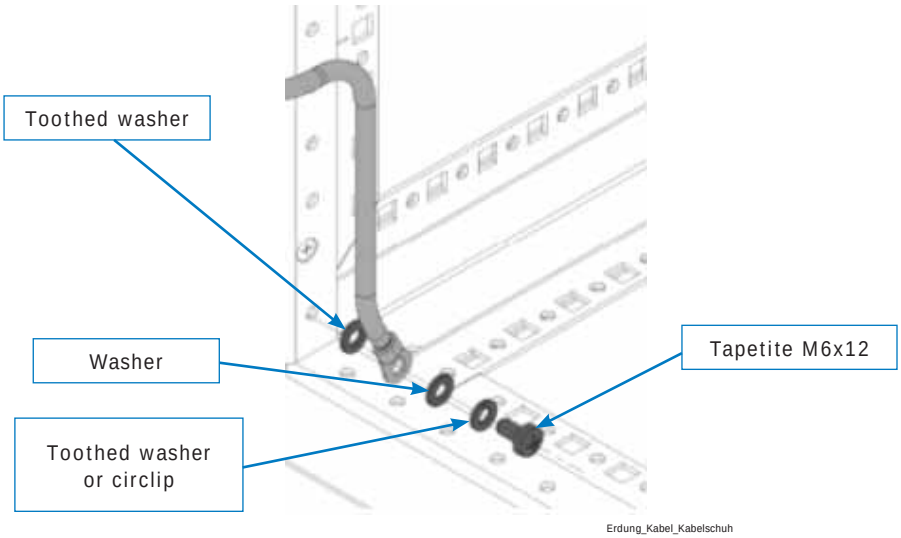
2) Paneling

All parts that are added and screw-fixed to the cabinet will be fixed with ring-type self-tapping screws. The cutting ring on the screws penetrates the coating of the paneling and creates a permanently conductive connection. This system of ground connection is used for “top and ground panels, rear and side panels as well as for connections of the base frame with vertical profiles“.
If electrical equipment is installed on the side or rear panels, these panels need extra grounding through a wire. Each paneling element comes with its own grounding bolt welded to it. From that bolt a round Cu conductor establishes a connection to the frame structure, in accordance with the ratio of the cross section of the external conductor of the additional electrical equipment.

Cross section frame/side panel



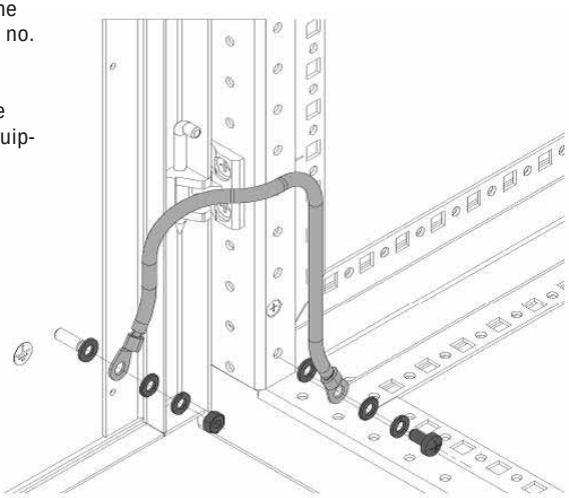
Arrangement/fixing of a ground connection by means of a cable and cable lug



Grounding concept

3) Doors
According to the IEC 61439-1 standard a connection via the metal hinges would do. In order not to take any risk Eaton has opted for the safe method of using an additional grounding cable. Use a round Cu conductor to establish a connection from the grounding bolt on the door to the frame (pre-fabricated XNAE-18 grounding cables no. 141844 or factory-made grounding cables).
If electrical equipment is installed on doors where the external conductor needs to carry more than 25A, the equipotential bonding of the door must be in line with the ratio of the cross section/rated current of the external conductor of the electrical equipment.

The grounding connection between the door and the frame has to be installed as shown in the following illustration.

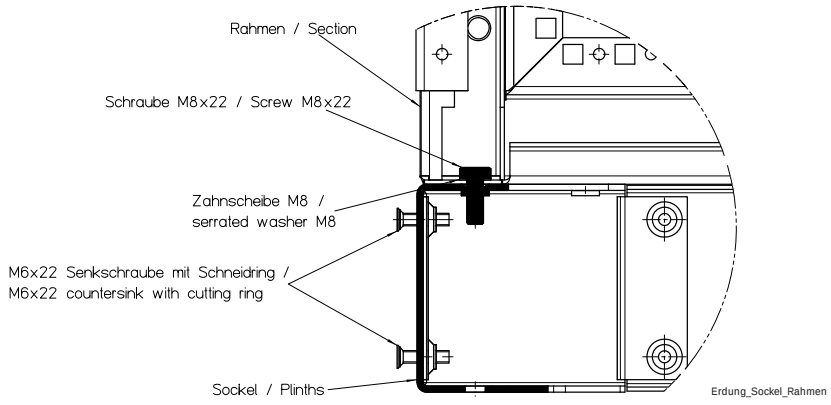


Erdung_Erdungskabel

4) Equipment installed
Metal equipment installed in the cabinet system that has a screw-based connection to the frame will not need any additional grounding, e.g. installation frames for EP, IVS, Profi Plus mounting struts, ... And it is not necessary either to ground the cover frame separately. Here too, the screw-based mechanical connection will do to provide the equipotential bonding.
However, if you install equipment such as mounting plates, hang-type Profi Plus fittings (with side mounting panel) or other equipment of no matter what finish they need to be connected to the grounding bar through the respective grounding connections.

5) Add-on equipment:
Add-on equipment such as base plinths need to be connected to the frame using the M8x22 screws and the suitable M8 toothed washers included in the scope of delivery. The M8 toothed washer penetrates the paint coating of the frame elements and thus establishes a permanently conductive connection between the frame structure and the base plinth.

Cross section of base plinth and frame

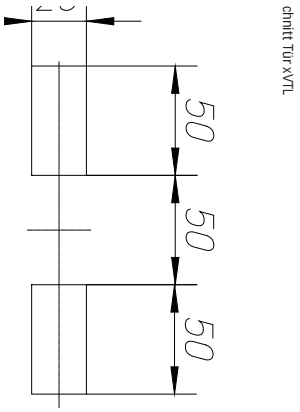


Locking System

Doors as high as the cabinet:
All doors as high as the cabinet are equipped with 3 mm two-way key bit locks and a complete system of rods as standard features. The locking points fixed at the frame are included in the respective scope of delivery. The door plate has 50/50/50 standard cut-outs which allow to fix it in the doors. The standard cut-outs make sure that every door can at any later point in time be equipped with an electronic locking system, for example.

The doors are delivered with a completely assembled locking system/door plate including a 3 mm two-way key-bit lock as well as hinges, locking bolts and screws.

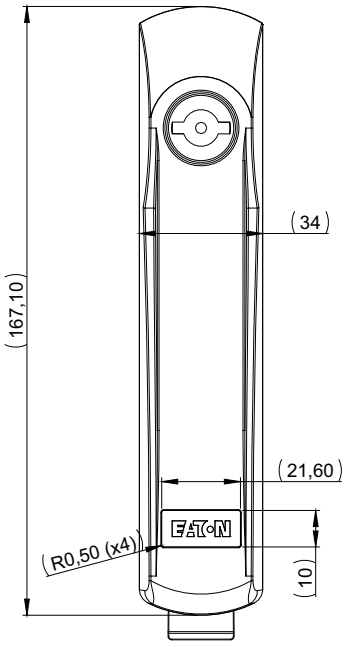
Door cut-out:



chnitt Tür xVTL

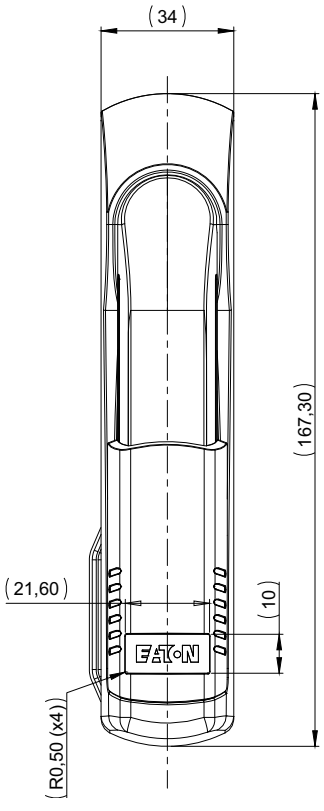
Ausschnitt xEnergy xVTL

Door plate:
Incl. a 3 mm two-way key-bit lock. Other lock inserts are available upon request.



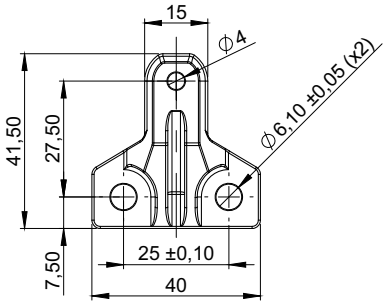
8-3638-302-4_drw

Clip-down handle:
- The clip-down handle is available as an accessory
- Standard activation by means of a push-button
- The push-button is protected against dust and dirt by a slidable cover cap
- Where necessary, the push-button insert can be replaced by semi-cylinder locks or other activation systems
- Delivery incl. screws

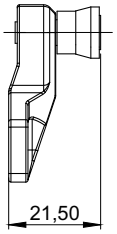


8-3638-302-2_drw

Locking bolt (frame):
The locking bolts come in a package with the doors. Very massive and stable design. The locking bolts are equipped with brass rollers. They ensure a smooth locking process without frictions.



8-3638-315-1-1_drw



8-3638-315-1_drw

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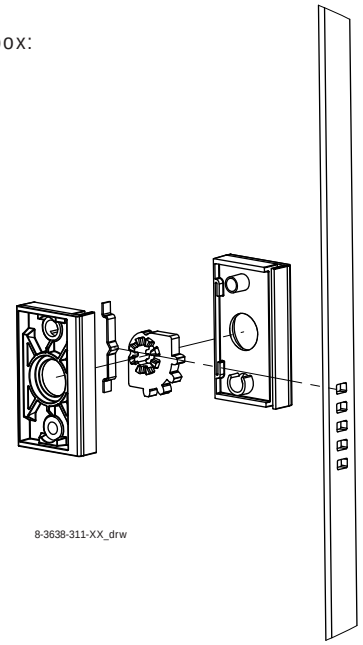
Locking System

Technical description:

Features and properties:

- When the door gets locked, it is secured in X, Y and Z direction, so the door is pulled towards the frame, comparable to locking a safe.
- The rod-lock system transmits the force of the rods at the door in a linear way to the locking elements. The locking elements engage in the lock holders positioned at the frame.
- The lock holders include a rotary roller which ensures the smooth operation of the system. No weaving movement of the rods is required.
- Very firm and even pressure of the door against the frame and the enclosure sealing. No lateral shear forces can impact the sealing. This will extend its service life.
- Rod lock with spring-based engagement in the end position (a spring included in the lock box will engage in the respective end positions).

Lock box:



8-3638-311-XX_drw

Locking point:

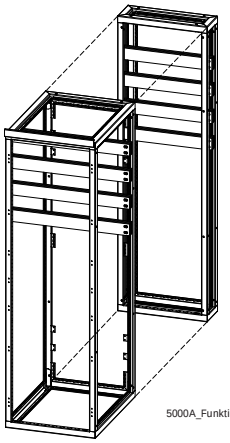
The L-shaped locking element (red), which is placed in a form-fit way in the openings of the flat rod, is completely surrounded by the door-fixed part of the lock holder and allows for a perfect positioning of the rod at the door. So, the locking pin on a rotary bearing at the frame can easily and firmly lock.



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Powering Business Worldwide

How 5000 A systems work



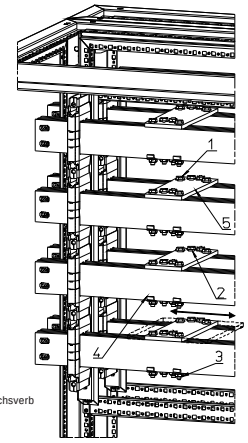
5000A_Funktion

General description of their way of working:

In order to connect 5000 A rated current to the main busbar in an xEnergy Main system, you need to add an extra frame of 200 mm section depth to a standard section of 800 mm depth. This measure applies to all options of the sections (XP, XF, XR, XW, XG).
The extra space is used to install the second main busbar track. This means that you need to install 2x (3x80x10) copper for the main busbar.

Current balancing connection for the main busbar:

For incoming supply/outgoing sections of 5000 A rated current (IZM63) you need to use special BAs (building instructions). With currents as high as that, the copper connections are guided from the switch over both tracks of the main busbar. So you do not need a special current balancing connection between the copper tracks.



5000A_Ausgleichsverb

For incoming supply/outgoing sections up to a max. rated current of 5000 A, i.e. with XF, XR, XW, XG outgoing sections, you can use the standard BAs (building instructions).
In addition, you will have to install a current balancing connection between the two copper tracks of the main busbar in the above-mentioned section types (see fig.). These balancing conections can be placed anywhere on the main busbar tracks (depending on the different space conditions which vary according to the type of section and amperage used in each case).

Installation and assembly:

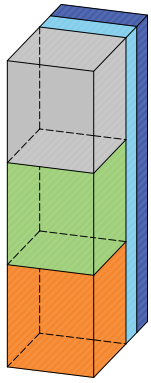
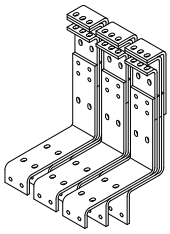
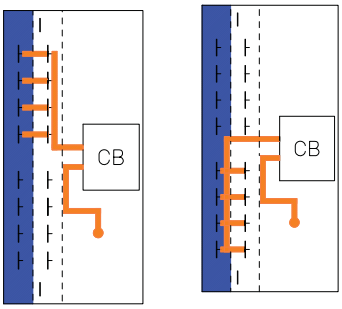
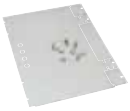
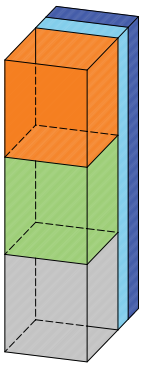
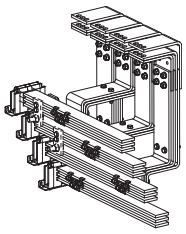
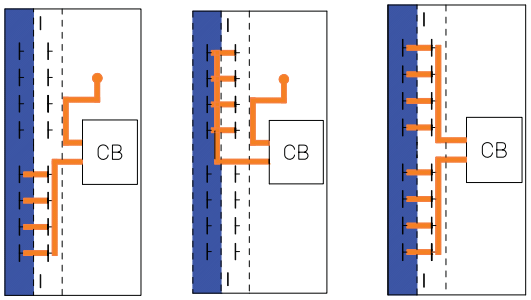
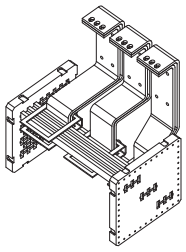
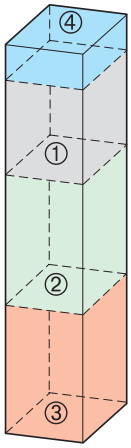
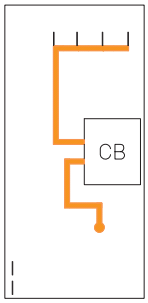
With 5000 A systems, a clearance of 700 mm is compulsory between the rear of the system and the wall of the distribution room. You will need this space to establish the electrical connections during installation and assembly, and later on to ensure access from the rear for service jobs on the main busbar system.
To make final on-site assembly work easier, you need to install a 150mm wide mounting frame between the sections. The front of this “intermediate frame“ is easy to take off, so you can work directly on the screw connections of the connection flaps, from the front, on the front track of the main busbar. To connect the rear track, you need to take off the rear part of the “intermediate frame“ so you can easily tighten/fix the rear transport separation of the rear main busbar.



5000A_Aufstellung

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XP Power sections for circuit breakers up to 5000 A

	Functional areas	Connection area	Busbar systems	Switchgear area 2
Busbar at the rear				Mounting plates 
				
		 Central incoming supply up to 4000 A: Cable connection system: drill-free connection across the entire section width, contacting from the front by means of connection terminals (brace terminals)		
Busbar at the top				

Switchgear area 1

Switchgear area 2

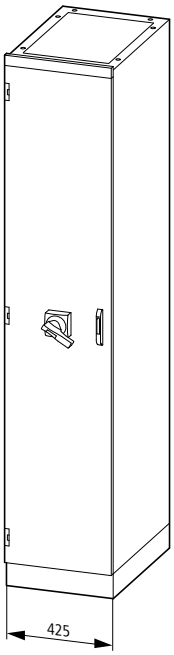
Connection area

Busbars

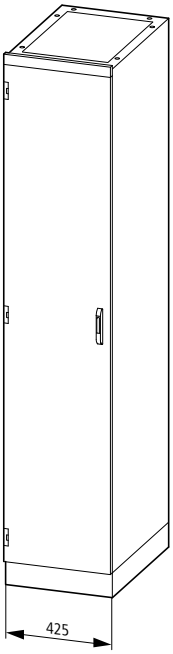
Additional busbar area where 5000 A are used

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XP Power sections for circuit breakers up to 1600 A



00160782_0

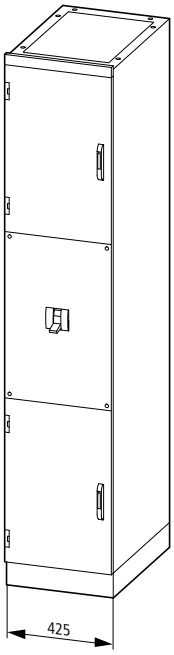


00160792_0

425
(600, 800)

425
(600, 800)

Section widths of 425 mm and 600 mm,
internal separation up to Form 2



00160764_0

425
(600, 800, 1000)

Section widths of 425 mm, 600 mm, 800 mm and 1000 mm,
internal separation up to Form 4

For compact circuit breakers NZM3/4:

- in withdrawable or fixed design
- 3, 4 or 3+TPN poles
- as incoming, outgoing or coupling switchgear
- for measuring purposes you can mount current transformers between the connection and the switchgear
- 2 devices possible in 1 section in Form 4

Dimensions

- Section widths of 425, 600, 800 or 1000 mm
- Section height 2000 mm, optional with plinth of 100 or 200 mm
- Section depth 600 or 800 mm; section depth 800 mm only with rear-mounted busbar

Connection area

- to cover up the connection copper you will need the connection area cover XKSA
- connection directly to a flag connector or to tunnel-type terminals

With internal separation of Form 1 up to Form 2:

- with a front door as high as the cabinet
- doors ventilated, closed or transparent
- with doors right or left-hinged
- operation of the switch behind the door or with an extension shaft and the rotary door coupling handle from outside

With internal separation up to Form 4:

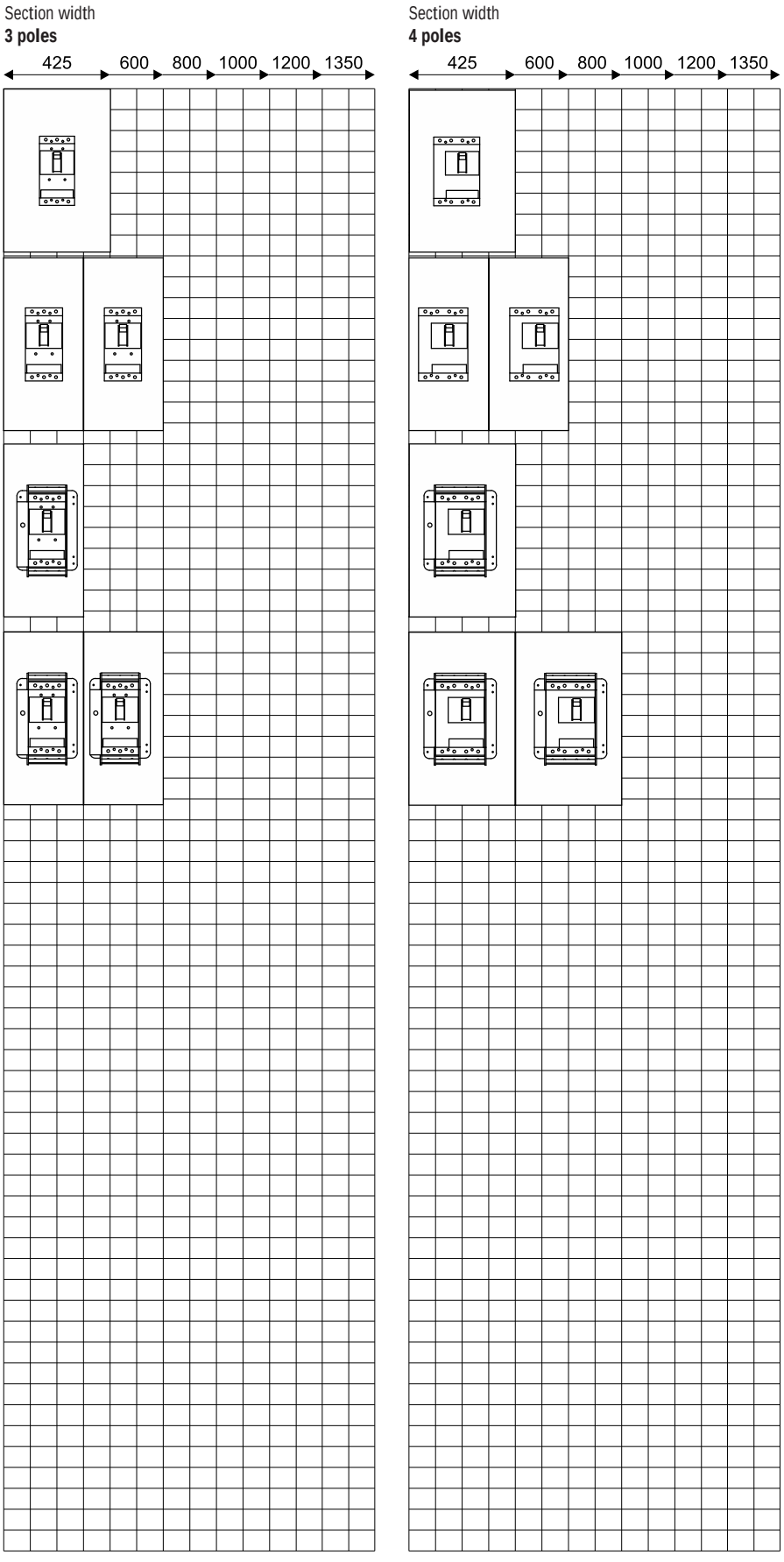
- 2 switchgear area doors, one above and one below the device, as well as a cover strip with quick-acting closures in the centre in front of the device
- switchgear to be operated from outside
- doors ventilated or closed
- with doors right or left-hinged
- areas not used for cable connection may be used for accommodating additional equipment, e.g. controlgear or surge protection devices

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xP Power sections - type of switchgear installation and section width for NZM

Compact circuit breaker
Type NZM3, fixed

Compact circuit breaker
Type NZM3, withdrawable



fk4810-1143d_13_07_1a

Powering Business Worldwide

XP Power sections - type of switchgear installation and section width for NZM4

Compact circuit breaker,
Type NZM4, fixed

425 600 800 1000 1200 1350

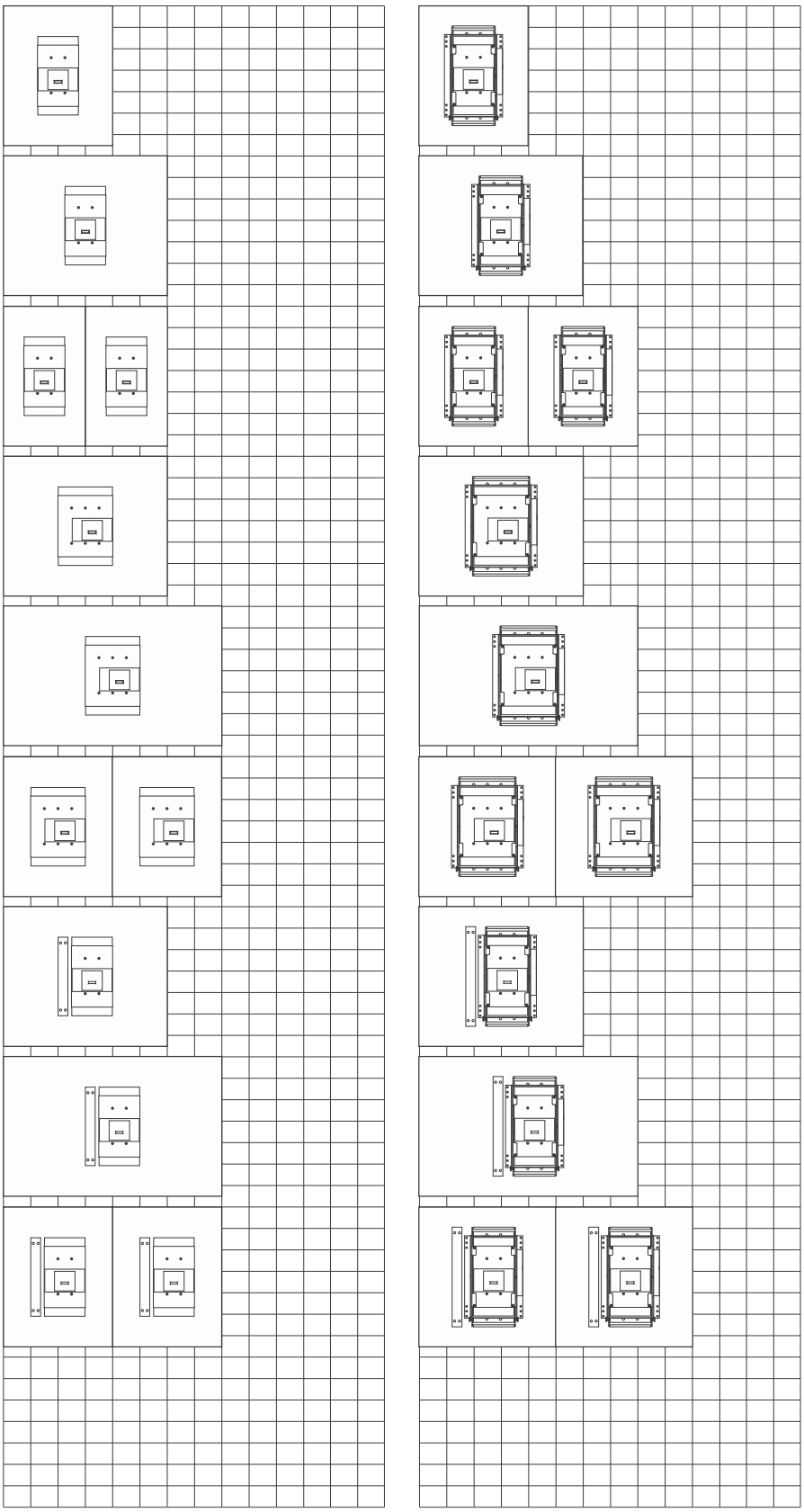
Compact circuit breaker,
Type NZM4, withdrawable

425 600 800 1000 1200 1350

Section width,
3 poles

Section width,
4 poles

Section width,
3 poles + neutral link



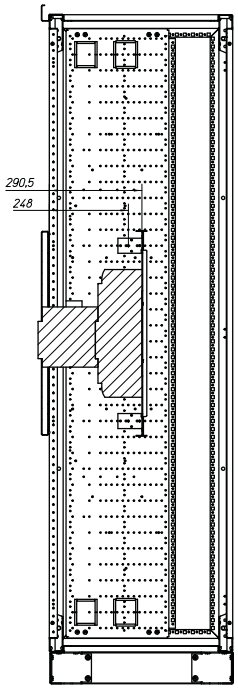
NZM4_Width_Overview_axis_changed

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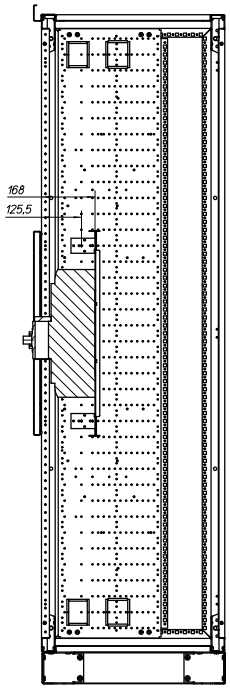
Dimensions - XP Power sections

XP section with incorporation of NZM3/4 circuit breakers
XMN3..., XMN4...

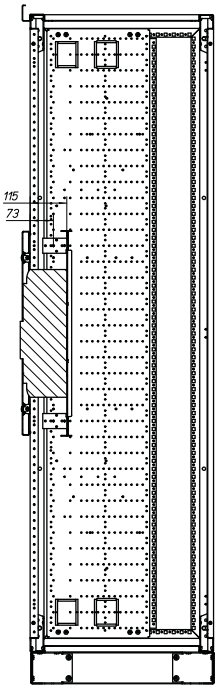
NZM4 Fixed Motor
XMN4xxx



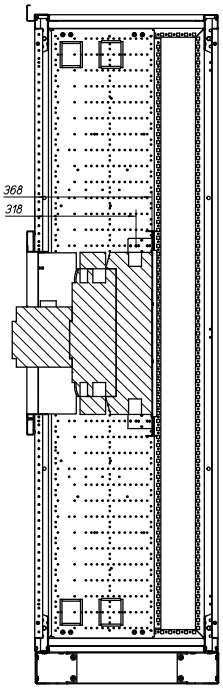
NZM4 Fixed Rotary Handle
XMN4xxx



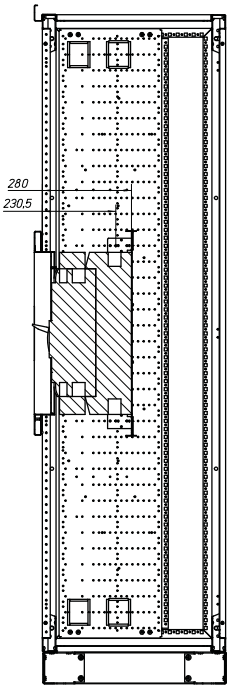
NZM4 Fixed
XMN4xxx



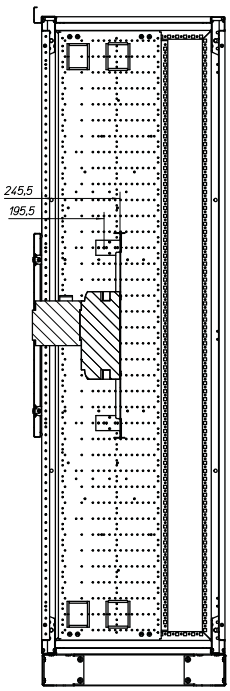
NZM4 Withdrawable Motor
XMN4xxx-2



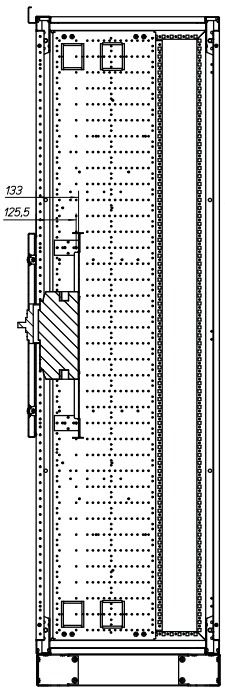
NZM4 Withdrawable
XMN4xxx-1



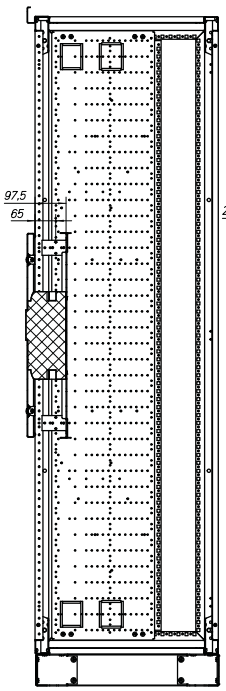
NZM3 Fixed Motor
XMN3304



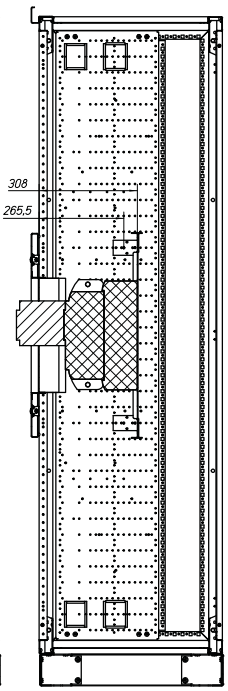
NZM3 Fixed Rotary Handle
XMN3304



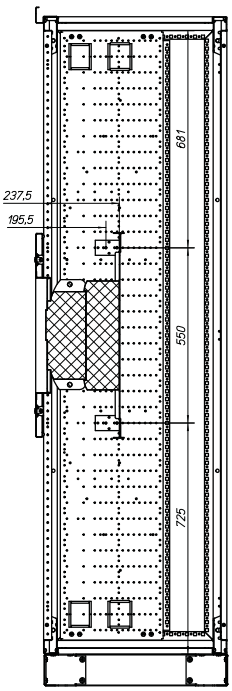
NZM3 Fixed
XMN3304



NZM3 Withdrawable Motor
XMN3304-2



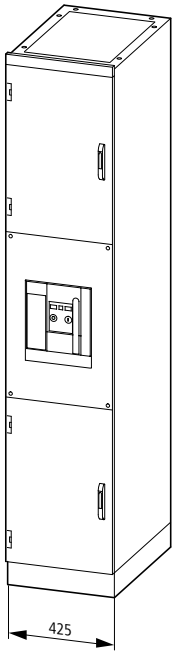
NZM3 Withdrawable
XMN3304-1



NZM_seitenansicht

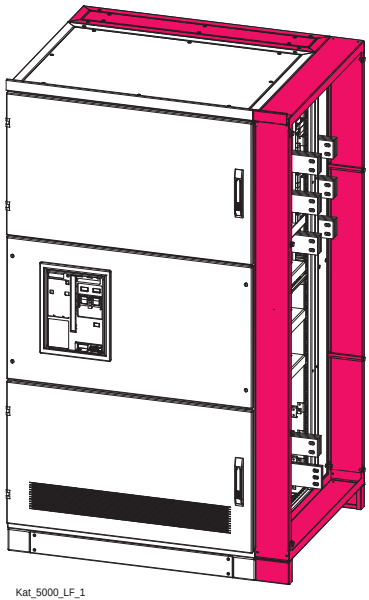
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XP Power sections for circuit breakers up to 5000 A



00160802_0

Section widths from 600 up to 1200 mm, internal separation up to Form 4



Kat_5000_LF_1

For 5000 A, the red-coloured parts are required in addition.

For air circuit breakers IZM and IZMX:

- in withdrawable or fixed design
- in 3-pole or 4-pole version
- as an incoming, outgoing or coupling switchgear or - with a top-mounted busbar - as an outgoing or incoming switchgear only
- for measuring purposes you can mount current transformers bet- ween the connection and the switchgear

For 5000 A

- for 5000 A, you need to use 2x(3x 80/10 Cu)
- for a 5000 A main busbar, you always have to add an additional frame of 200 mm depth at the back of an 800 mm deep section to create the space necessary for the second main bus bar
- in order to provide a connection between 2 sections
- (section/section), using an add-on frame of 150 mm width is compulsory

Dimensions

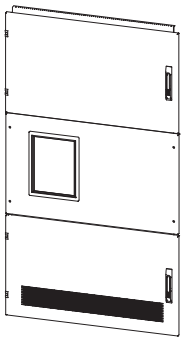
- section widths of 425, 600, 800, 1000, 1100, 1200 or 1350 mm
- section height of 2000 mm, optionally with a plinth of 100 or 200 mm
- section depths of 600 or 800 mm; section depth of 800 mm only with rear-mounted busbar
- rated current I_e 5000 A = section depths is 1000 (800 + 200) mm

Connection area

- incoming supply lines from the top or from below; with top-mounted busbars incoming supply lines only possible from below
- connection directly to cable connector flags
  or
- drill-free connection to cable connection system over the total width accessible from the front

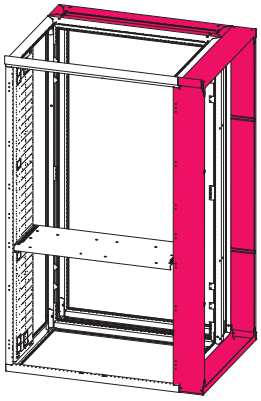
Internal separation from Form 1 up to Form 4:

- partition panels ready-to-fit for section equipment up to Form 4
- 2 switchgear area doors one on top and one below the device, as well as a cover with quick-acting locks (or with hinges at the center in front of the device) with IZMX16/40 and IZM26
- switchgear to be operated from outside
- doors ventilated or closed
- doors right or left-hinged
- areas not used for cable connection can be used to accommodate additional equipment, eg. controlgear or surge protection devices

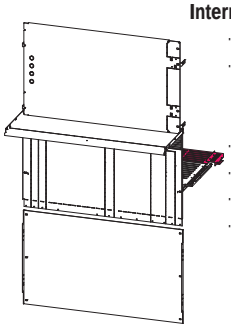


Kat_5000_LF_4

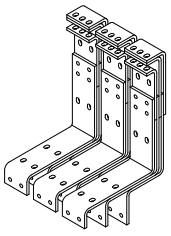
Base



For 5000 A, the red-coloured parts are required in addition.



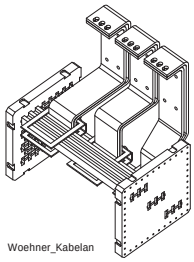
Internal separation up to Form 4



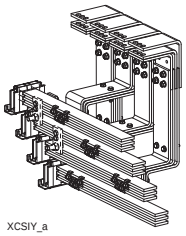
00160822_0

Direct cable connection

Central connection system up to 4000 A:
Cable connection system: drill-free connection over the total width of the section accessible from the front via feeder clip



Woehner_Kabelan



XCSIY_a

Cable connection system: drill-free connection over the total width of the section accessible from the front (typ: KCSIY)

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XP Power sections - type of switchgear installation and section width for IZMX40

Air circuit breaker
Type IZMX40, fixed and withdrawable,
up to 1600 A

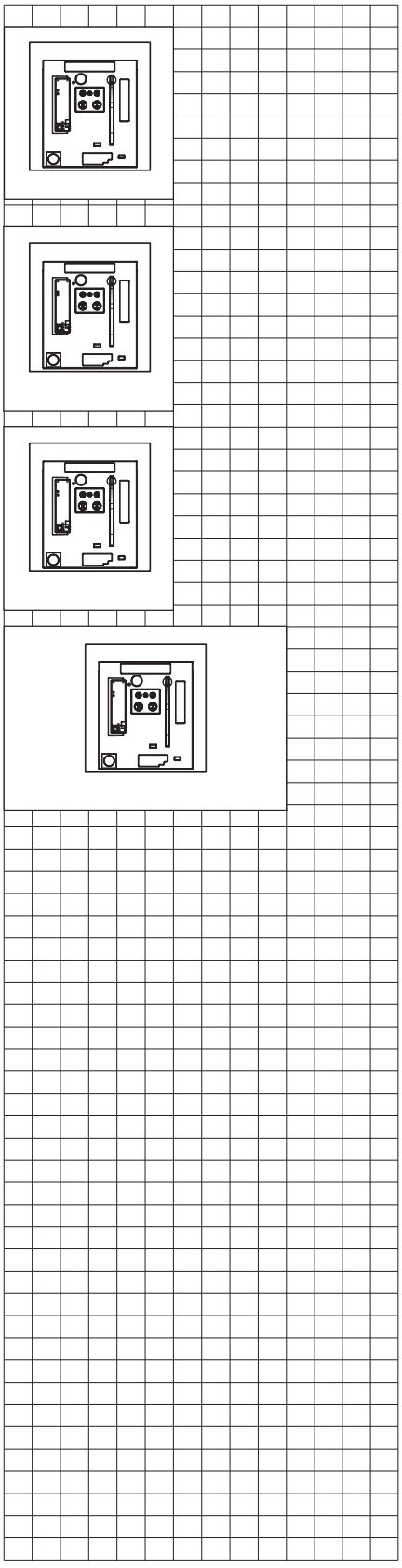
Air circuit breaker
Type IZMX40, fixed and withdrawable,
up to 2000 A

Air circuit breaker
Type IZMX40, fixed and withdrawable,
up to 3200 A

Air circuit breaker
Type IZMX40, fixed and withdrawable,
up to 4000 A

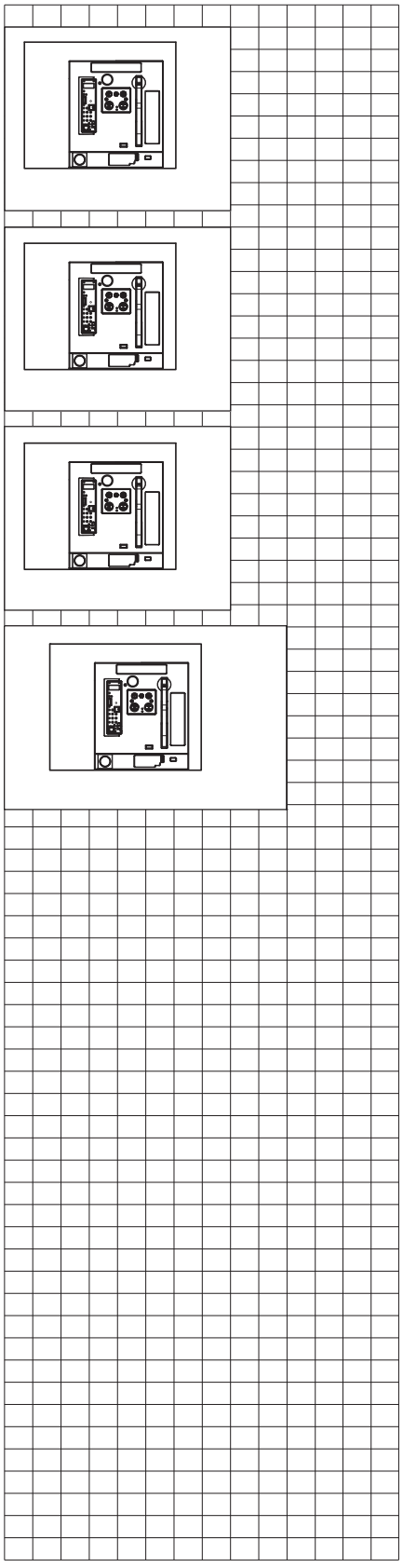
Section width
3 poles

425 600 800 1000 1200 1350



Section width
4 poles

425 600 800 1000 1200 1350



fk4810-1143d_13_07_1c_IZMX40

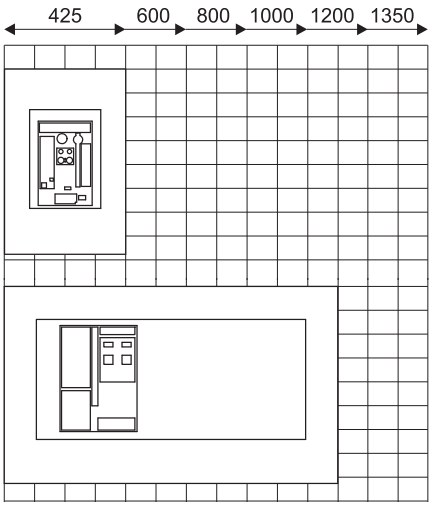
EATON
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XP Power sections - type of switchgear installation and section width for IZMX16/63

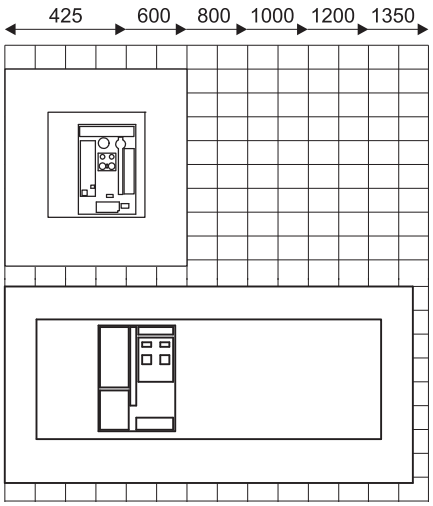
Air circuit breaker
Type IZMX16, fixed and withdrawable,
up to 1600 A

Air circuit breaker
Type IZM63, fixed and withdrawable,
up to 6300 A

Section width
3 poles

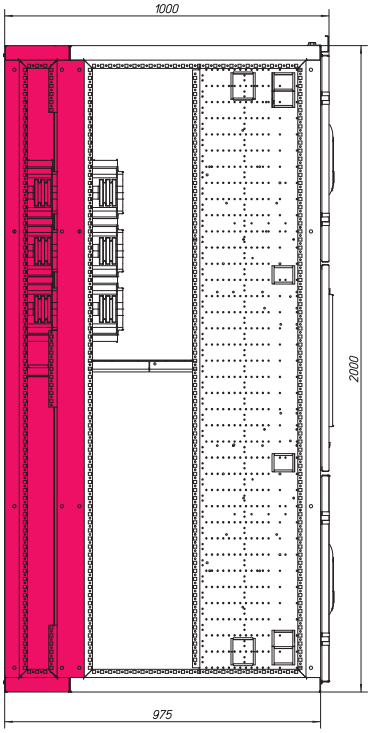


Section width
4 poles

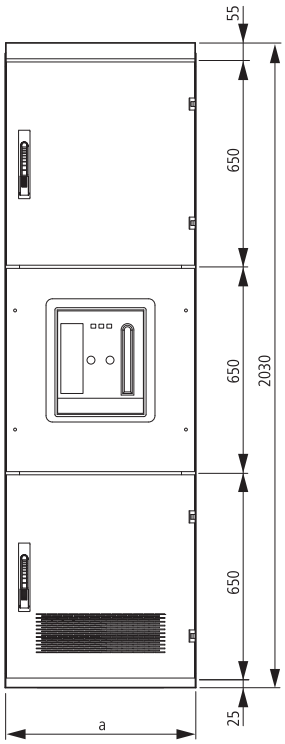


Dimensions - XP Power sections

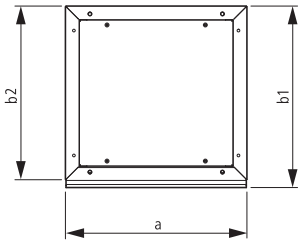
XP section with incorporation of IZM circuit breakers
XSMIB20



00162399_0



00162118_0



00162219_0

b1	b2
600	575
800	775
1000 (800+200)	975

a
425
600
800
850
1000
1100
1200
1350

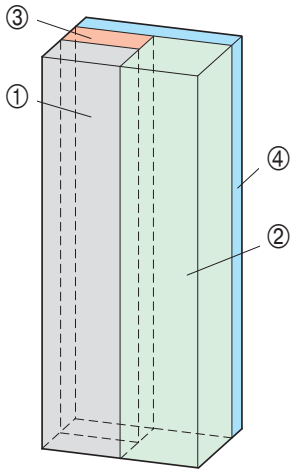
For 5000 A, the red-coloured parts are required in addition.

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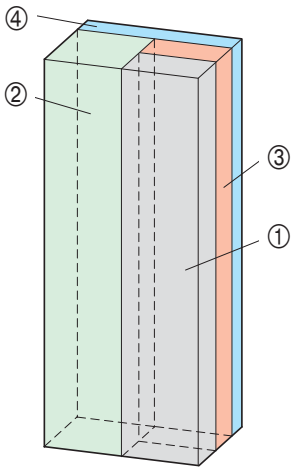
XF Outgoing sections for fixed modules

Functional areas

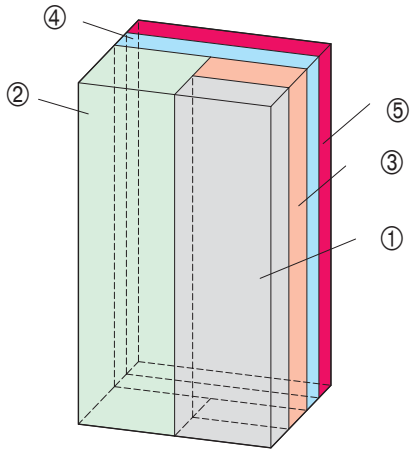
Busbar rear-mounted



00156267_0

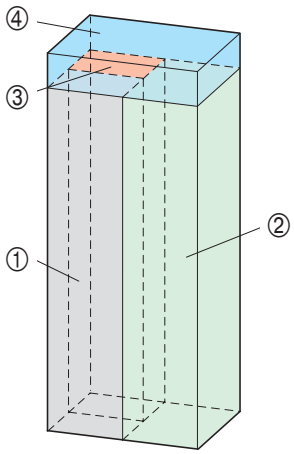


00155856_0



Kat_5000_funkts_r

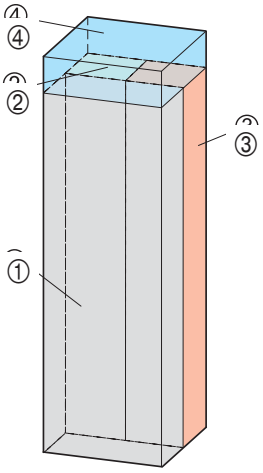
Busbar top-mounted



00155866_0



00155876_0



00155886_0

1 Switchgear area

2 Cable connection area

3 Dropper bars

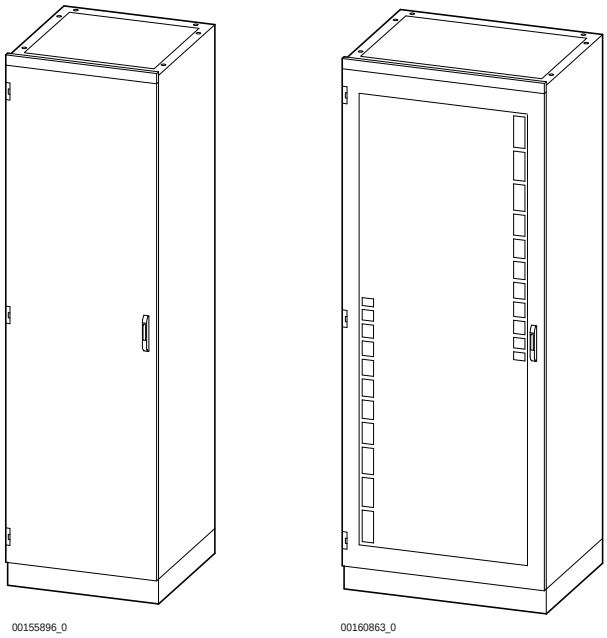
4 Main busbars

5 Additional main busbar field for 5000 A

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XF Outgoing sections for fixed modules up to 630 A, Form 2

Form 2



Section widths of 600, 800 or 1000 mm, with door either closed or transparent

- for **circuit breakers**, motor starters, miniature circuit breakers and fuse switch disconnectors
- **in horizontal and vertical position**
- Installation of the switchgear **on one mounting level** on mounting plates in the widths of 425 or 600 mm
- internal separation up to Form 2
- connection on the incoming side is provided for through a vertically arranged dropper bar system, covered to be touch-proof (through mounting plates).
- cable connection is provided for on the side, in the right or left part of the distributor section
- with a front door as high as the cabinet, ventilated, closed or transparent, door right or left-hinged
- switchgear to be operated behind the door or with an extension shaft and a rotary door coupling handle from outside

Horizontally fixed circuit breaker

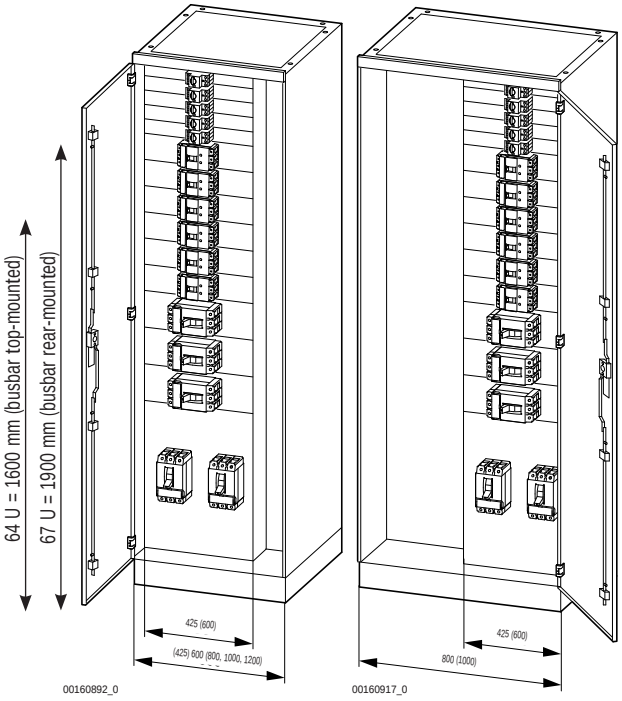
	Module height (U/mm) 3 poles	4 poles
25 A	2/50	-
40 A	4/100	4/100
63 A	4/100	-
160 A	4/100	6/150
300 A	6/150	8/200
630 A	8/200[1]	10/250[1]

[1] Horizontal installation of NZM3 (up to 630 A) only on modules of 600 mm width

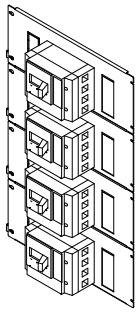
Vertically fixed circuit breaker

	Module height[1] (U/mm)	Number of circuit breakers per module 425 mm	600 mm
160 A	12/300	2	3
300 A	16/400	2/1[2]	3/2[2]
630 A	24/600	1	2/1[2]

[1] Vertical installation of the switchgear preferably at the top/bottom of the section, depending on the cable insertion. In case of vertical installation it may be necessary to provide more height units for cable insertion.
[2] 4 poles



Cable connection area in different installation positions for widths of 200 and 400 mm.

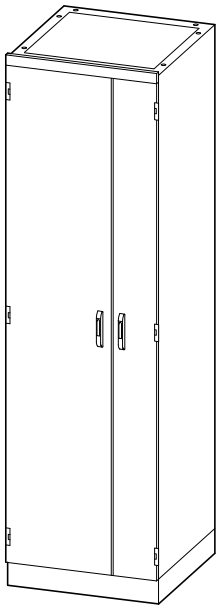


Installation of switchgear on pre-drilled mounting plates, with all fixing and connection openings prepared for installation.

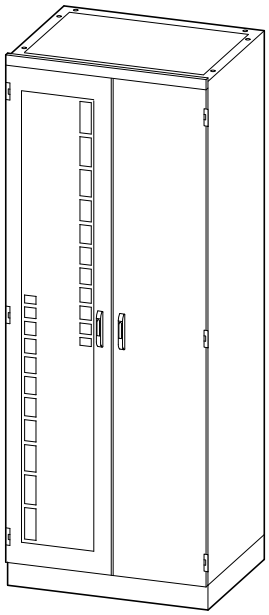
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XF Outgoing sections for fixed modules up to 630 A, Form 4

Form 4



00160934_0

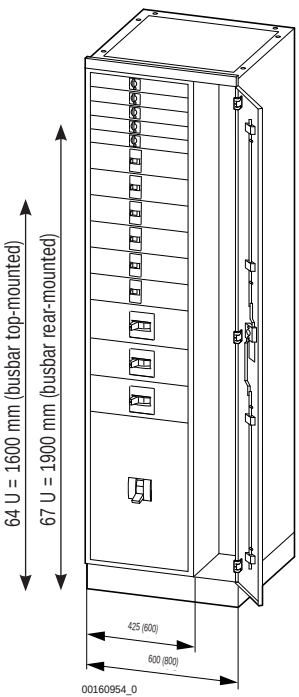


00160944_0

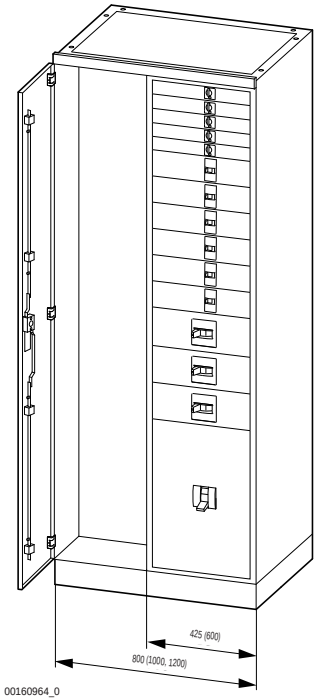
Section widths of 600, 800 or 1000 mm, with closed or transparent door

- for **circuit breakers**, motor starters, miniature circuit breakers and fuse switch disconnectors
- **in horizontal and vertical position**
- the switchgear will be installed **behind module covers** and are positioned **on one operating level**
- the module covers are provided with hinges; they can be turned which provides individual access to each module
- Mounting plates in the widths of 425 or 600 mm
- installation of internal separations up to Form 4[1)]
- connection on the incoming side is provided for on a vertically arranged dropper bar system, covered to be touch-proof
- cable connection is provided for on the side, in the right or left part of the distributor section
- the connection area can be accessed via a separate door to the cable connection area and can be separated from busbars and switchgear area
- switchgear to be operated from outside, via cut-outs in the module covers
- can optionally be equipped with a front door as high as the cabinet, ventilated, closed or transparent, with right or left door hinges

1) It may be necessary to provide for more terminals.

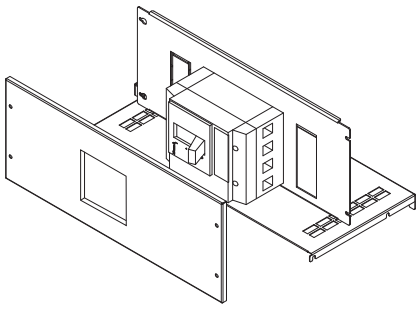


00160954_0



00160964_0

Cable connection area in different installation positions in the widths of 200 and 400 mm.



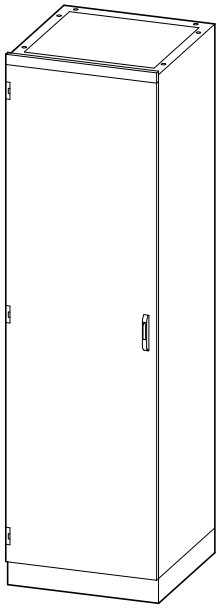
00122777_0

Installation of switchgear on pre-drilled mounting plates, with all fixing and connection openings prepared for installation. Swivel-mounted front cover comes with cut-out for operating the lever from outside.

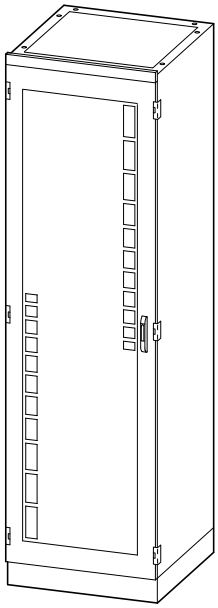
XF Outgoing sections for fixed modules up to 630 A, Form 4

Form 4

For cable connection at the rear

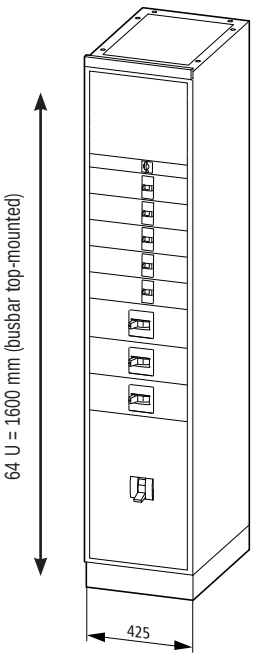


00155896_0

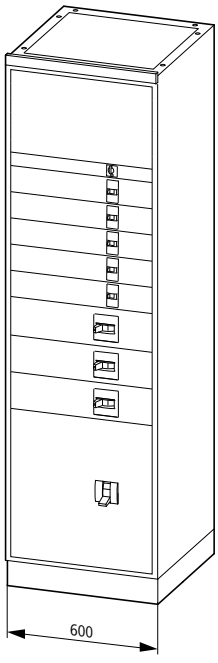


00155906_0

Section widths of 425 or 600 mm,
with closed or transparent door



00155916_0

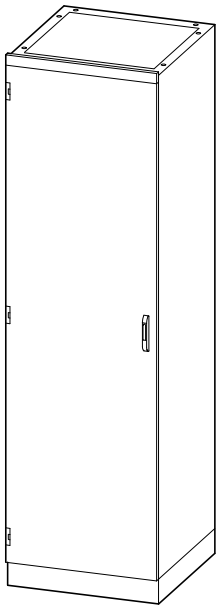


00155926_0

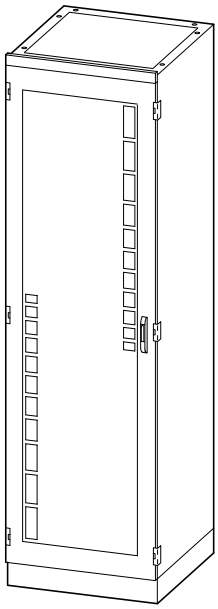
- for circuit breakers, motor starters and miniature circuit breakers
- **in horizontal and vertical position**
- the switchgear will be installed **behind module covers** and positioned **on one operating level**
- the module covers come with hinges; they can be turned which provides individual access to each module
- mounting plates in the widths of 425 or 600 mm
- connection on the incoming side is provided on a vertically arranged dropper bar system, covered so as to be touch-proof
- the cable connection area is at the left rear side, cable connection is done from the rear
- installation of internal separations up to Form 4
- switchgear to be operated from outside, via cut-outs in the module covers
- can optionally be equipped with a front door as high as the cabinet, ventilated, closed or transparent, with right or left door hinges
- only suitable for top-mounted busbars

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XF Outgoing sections without dropper bar for fixed modules up to 630 A

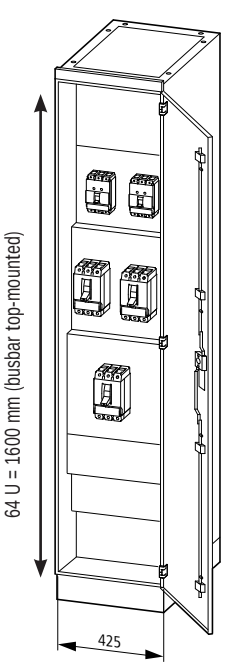


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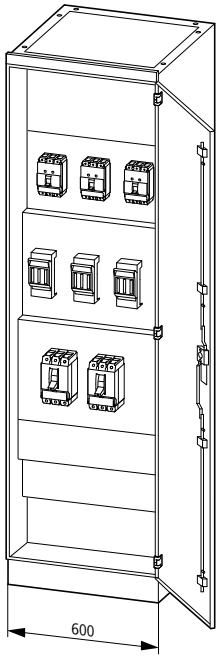


00155906_0

Section widths of 425, 600 mm, 800 and 1000 mm



00160974_0.



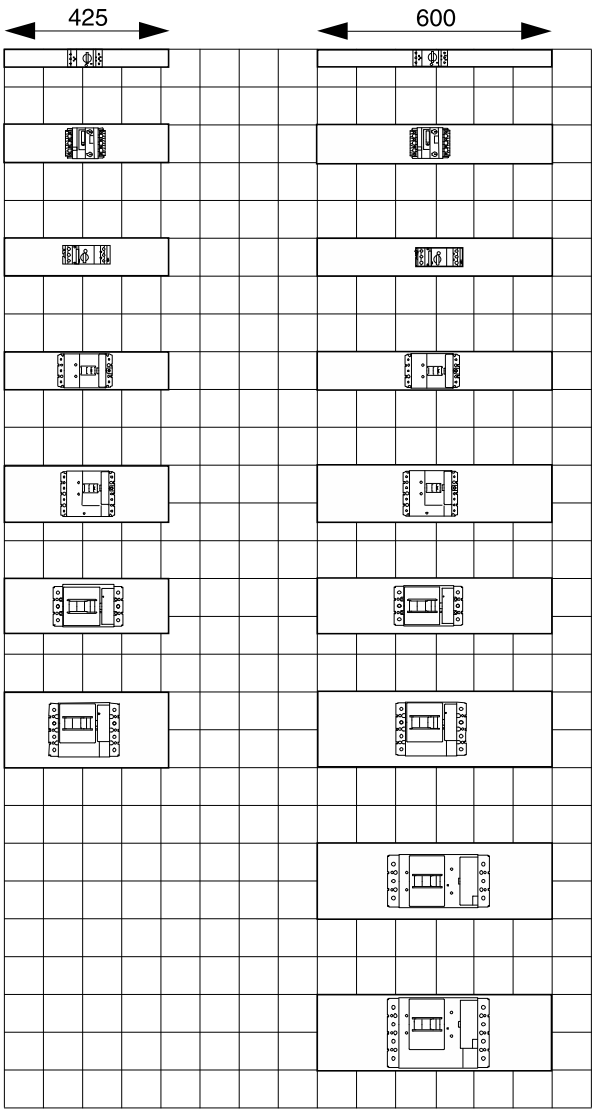
00160984_0

- for **circuit breakers** and miniature circuit breakers
- **in vertical position**
- the switchgear are vertically mounted on mounting plates and can be mounted with an offset at any depth
- mounting plates available in widths of 425, 600, 800 or 1000 mm
- connection on the incoming side is directly on the main busbar
- main busbars can be covered so as to be touch-proof
- cable connection is done from below, either directly with the switchgear or to terminals mounted in the lower part of the section
- with a front door as high as the cabinet, ventilated, closed or transparent, with door hinged at the right or left side
- switchgear operation behind the door or from outside with an extension shaft and a rotary door coupling handle
- fitting frames can be used for front panels
- can be completely closed with front panels

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XF Outgoing sections (fixed installation), module heights and components: Horizontal installation of switchgear

Module width



fk4810-1143d_13_13_1A4

Motor-protective circuit breakers up to **32 A**
Type PKZM0, 2 U = 50 mm

Motor-protective circuit breakers up to **40 A**

Motor-protective circuit breakers up to **63 A**
Type PKZM4, 4 U = 100 mm

Circuit breakers up to **160 A, 3 poles**
Type NZM1, 4 U = 100 mm

Circuit breakers up to **160 A, 4 poles**
Type NZM1, 6 U = 150 mm

Circuit breakers up to **300 A, 3 poles**
Type NZM2, 6 U = 150 mm

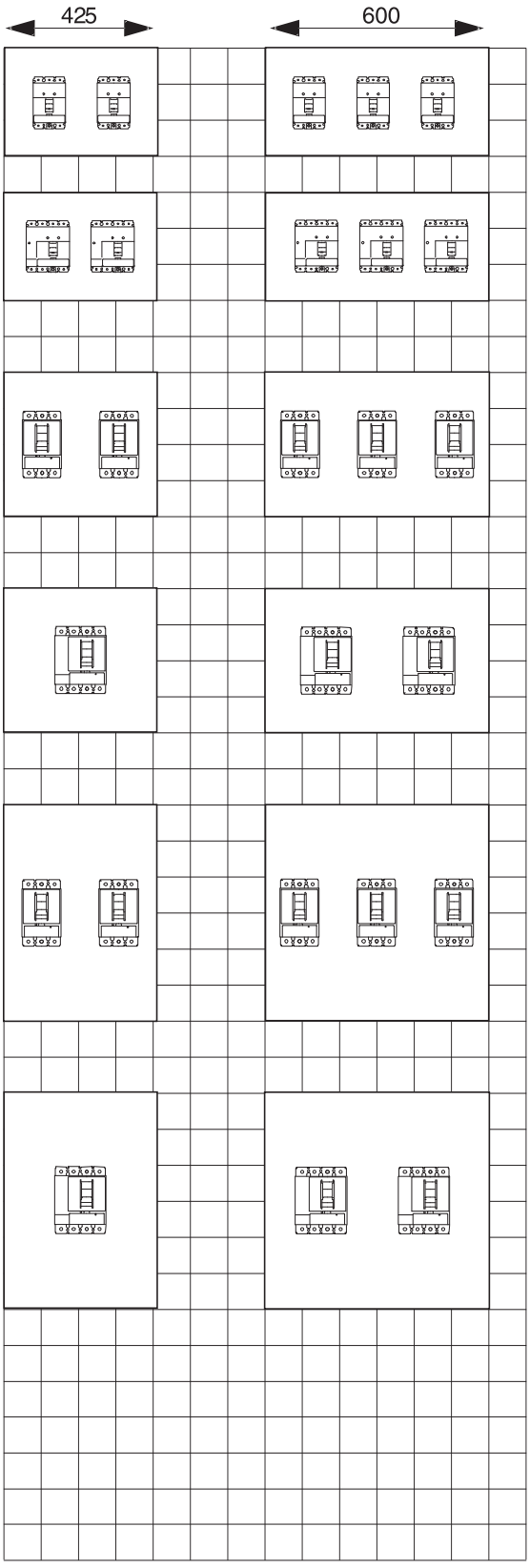
Circuit breakers up to **300 A, 4 poles**
Type NZM2, 8 U = 200 mm

Circuit breakers up to **630 A, 3 poles**
Type NZM3, 8 U = 200 mm

Circuit breakers up to **630 A, 4 poles**
Type NZM3, 10 U = 250 mm

XF Outgoing sections (fixed installation), module heights and components: Vertical installation of switchgear

Module width



fk4810-1143d_13_14A4

Circuit breakers up to **160 A, 3 poles**
Type NZM1, 12 U = 300 mm

Circuit breakers up to **160 A, 4 poles**
Type NZM1 with plug-in module, 12 U = 300 mm

Circuit breakers up to **300 A, 3 poles**
Type NZM2, 16 U = 400 mm

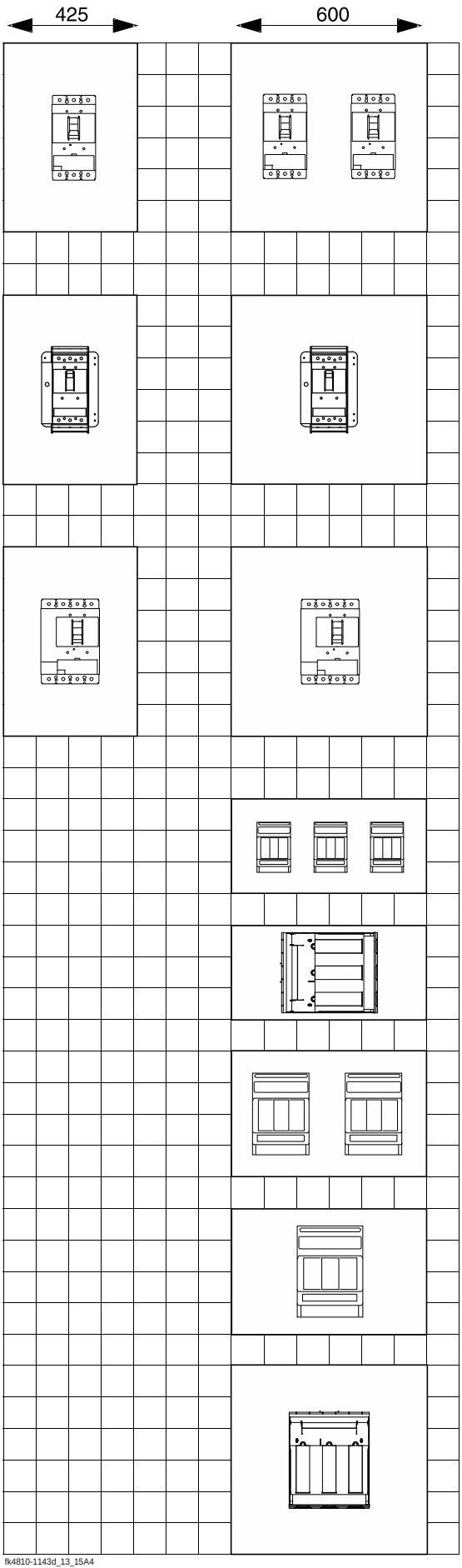
Circuit breakers up to **300 A, 4 poles**
Type NZM2, 16 U = 400 mm

Circuit breakers up to **300 A, with plug base, 3 poles**
Type NZM2, 24 U = 600 mm

Circuit breakers up to **300 A, with plug base, 4 poles**
Type NZM2, 24 U = 600 mm

XF Outgoing sections (fixed installation), module heights and components: Vertical installation of switchgear

Module width



fk4810-1143d_13_15A4

Circuit breakers up to **630 A,**
fixed, 3 poles
Type NZM3, 24 U = 600 mm

Circuit breakers up to **630 A,**
with withdrawable unit, 3 poles
Type NZM3, 24 U = 600 mm

Circuit breakers up to **630 A,**
fixed or with withdrawable unit, 4 poles
Type NZM3, 24 U = 600 mm

Fuse base or fuse switch disconnectors up to **160 A, 3 poles**
Type XNH00, 12 U = 300 mm

Fuse base or fuse switch disconnectors up to **630 A, 3 poles**
Type XNH3, 12 U = 300 mm

Fuse base or fuse switch disconnectors up to **250 A, 3 poles**
Type XNH1, 16 U = 400 mm

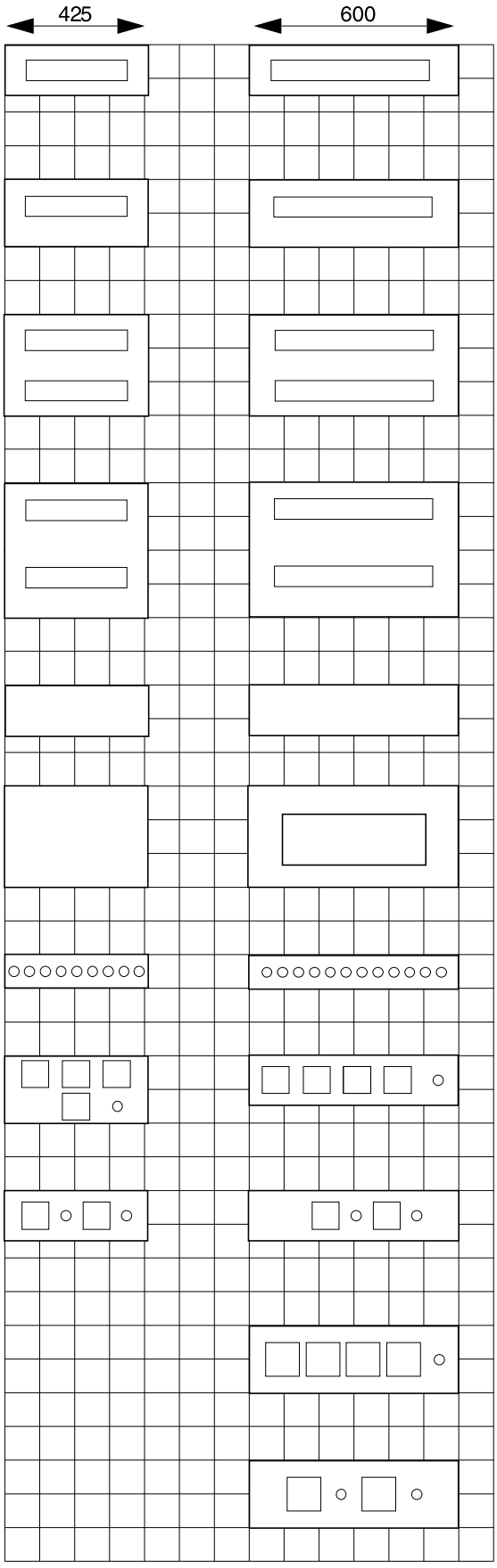
Fuse base or fuse switch disconnectors up to **400 A, 3 poles**
Type XNH2, 16 U = 400 mm

Fuse base or fuse switch disconnectors up to **630 A, 3 poles**
Type XNH3, 24 U = 600 mm

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XF Outgoing sections module heights and components: Module covers for modular installation devices, measuring and command devices

Module width



fk4810-1143d_13_16A4

Modular installation devices /PKZ...
1 x 12 PE/1 x 24 PE, 6 U = 150 mm

1 x 12 PE/1 x 24 PE, 8 U = 200

2 x 12 PE/2 x 24 PE, 12 U = 300 mm

2 x 12 PE/2 x 24 PE, 16 U = 400 mm

Modules **for terminals**
6 U = 150 mm

12 U = 300 mm

Front covers
for **command and signalling devices**
9 x RMQ-Titan/12 x RMQ-Titan, 4 U = 100 mm

for **installation of measuring devices**
4 x 72 x 72 mm + 1 changeover contact
8 HE = 200mm/6 U = 150 mm

2 x 72 x 72 mm + 2 changeover contacts
6 U = 150 mm

4 x 96 x 96 mm + 1 changeover contact
8 U = 200 mm

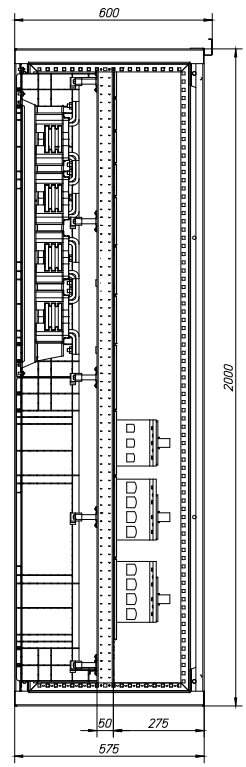
2 x 96 x 96 mm + 2 changeover contacts
8 U = 200 mm

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Dimensions - XF Outgoing sections

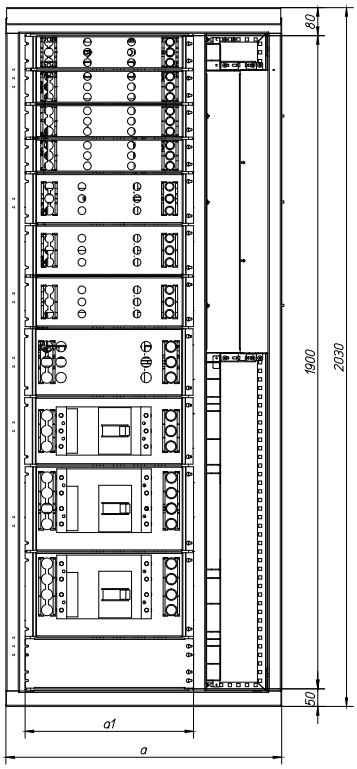
XF section with integrated NZM1-3 circuit breaker, Form 2, section depth of 600mm
XSMFIB0606 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 275 mm depth

Side view



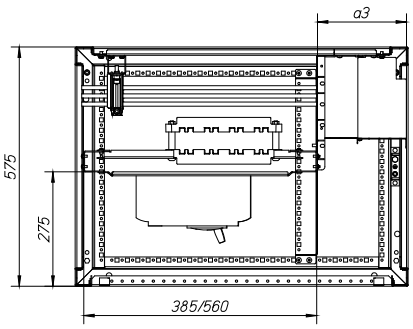
XF_NZM1_3_F2b_600_S

Front view



XF_NZM1_3_F2b_600_V

Top view



XF_NZM1_3_F2b_600_D

Form 2b, section depth = 600 mm

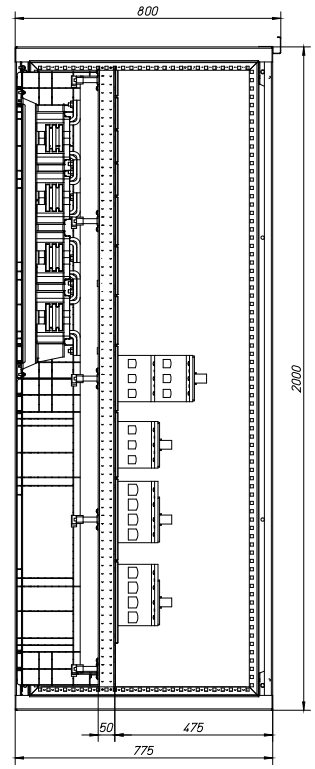
A = Section width	a1 = Module width	a3 = Width of cable area
600	314	190
800	314	390
800	489	215
1000	489	415
1200	489	615

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Dimensions - XF Outgoing sections

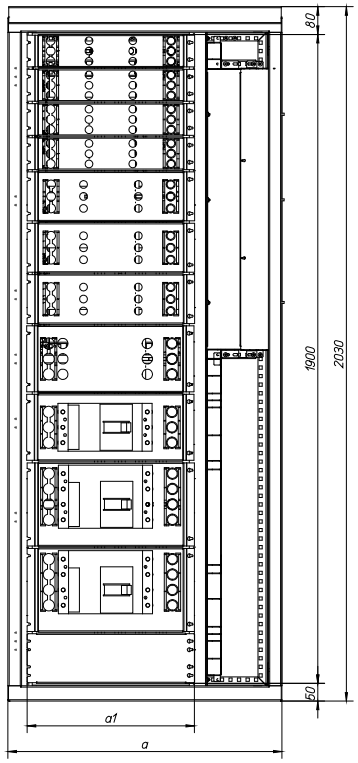
XF section with integrated NZM1-3 circuit breaker, Form 2, section depth of 800mm
XSMFIB0608 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 475 mm depth

Side view



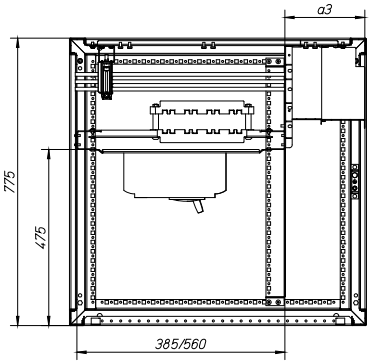
XF_NZM1_3_F2b_800_S

Front view



XF_NZM1_3_F2b_800_V

Top view



XF_NZM1_3_F2b_800_D

Form 2b, section depth = 800 mm

A = Section width	a1 = Module width	a3 = Width of cable area
600	314	190
800	314	390
800	489	215
1000	489	415
1200	489	615

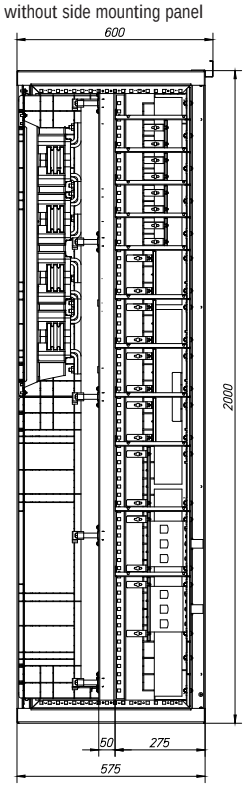
Powering Business Worldwide

Dimensions - XF Outgoing sections

XF section with integrated NZM1-3 circuit breaker, Form 4, section depth of 600mm
XSMFDB(04)0606 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 220 mm depth

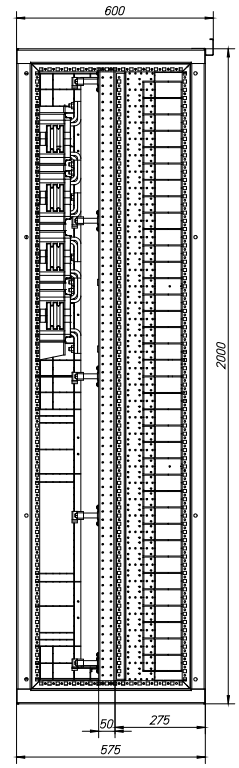
Side view

without side mounting panel



XF_NZM1_3_F4_600_S_oMS

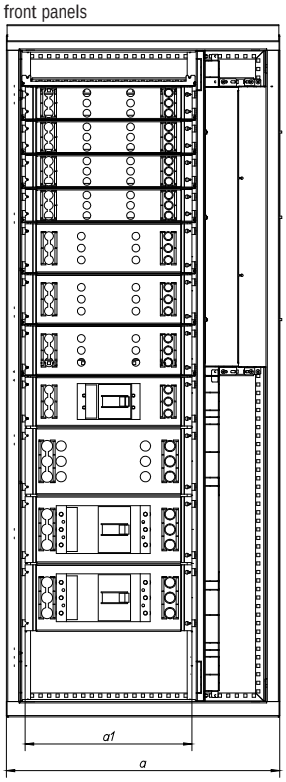
with side mounting panel



XF_NZM1_3_F4_600_S_mMS

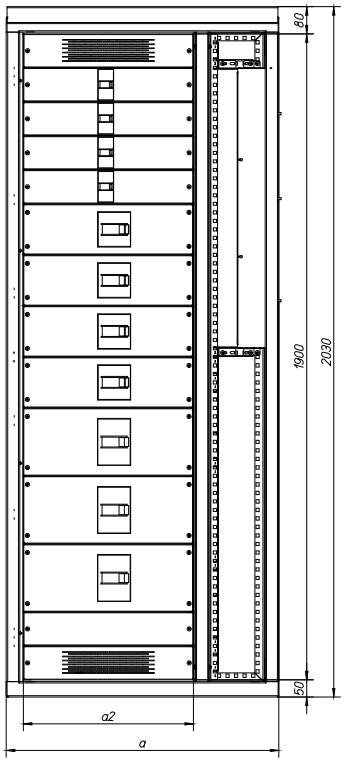
Front view

with front panels



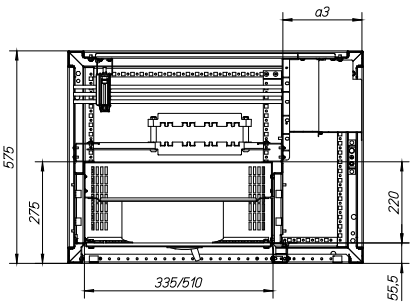
XF_NZM1_3_F4_600_V_mFP

without front panels



XF_NZM1_3_F4_600_V_oFP

Top view



XF_NZM1_3_F4_600_D

Form 4, section depth = 600

a = Section width	a1 = Module width	a2 = Width of front panels	a3 = Cable connection area
600	314	325	190
800	314	325	390
800	489	500	215
1000	489	500	415
1200	489	500	615

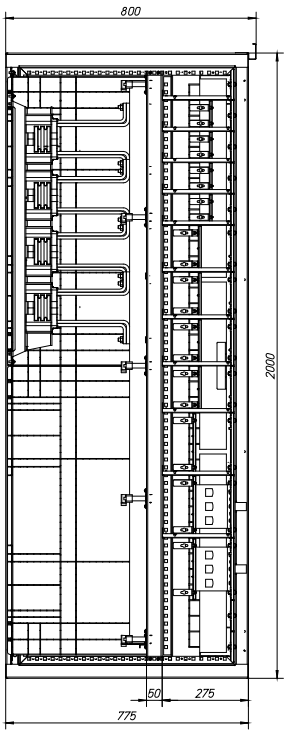
Powering Business Worldwide

Dimensions - XF Outgoing sections

XF sections with integrated NZM1-3 circuit breaker, Form 4, section depth of 800mm
XSMFDB(04)0608 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 220 mm depth

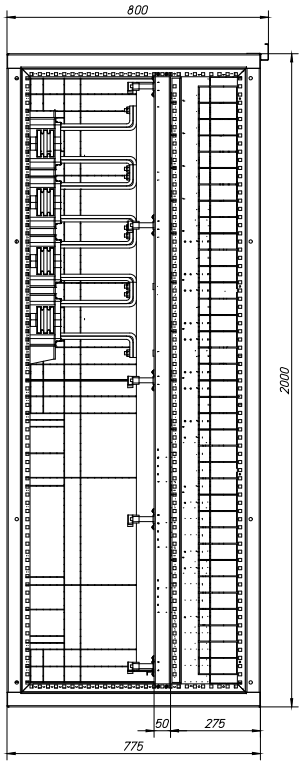
Side view

without side mounting panel



XF_NZM1_3_F4_800_S_oMS

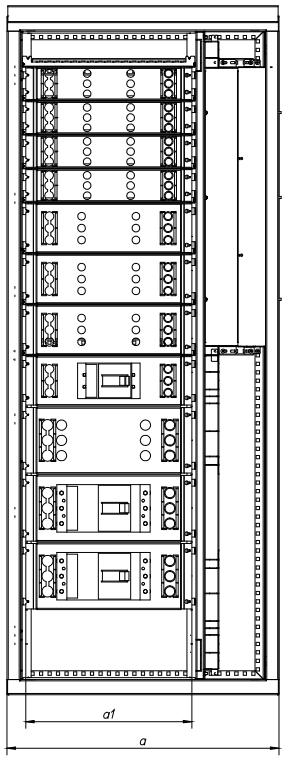
with side mounting panel



XF_NZM1_3_F4_800_S_mMS

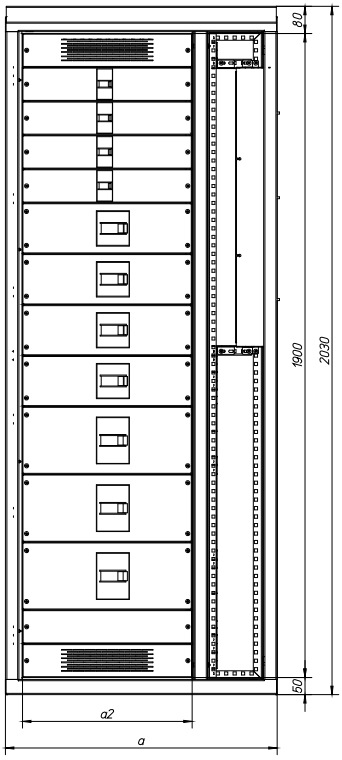
Front view

with front panels



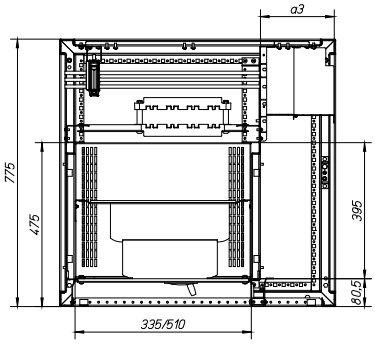
XF_NZM1_3_F4_800_V_oFP

without front panels



XF_NZM1_3_F4_800_V_mFP

Top view



XF_NZM1_3_F4_800_D

Form 4, section depth = 800

a = Section width	a1 = Module width	a2 = Width of front panels	a3 = Cable connection area
600	314	325	190
800	314	325	390
800	489	500	215
1000	489	500	415
1200	489	500	615

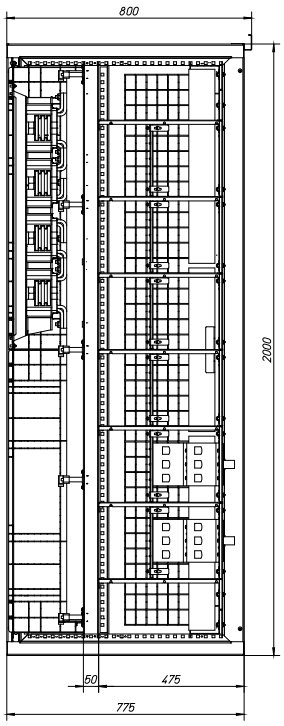
Powering Business Worldwide

Dimensions - XF Outgoing sections

XF section with integrated NZM1-3 circuit breaker, Form 4, section depth of 800mm
XSMFDB0608-350 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 395 mm depth

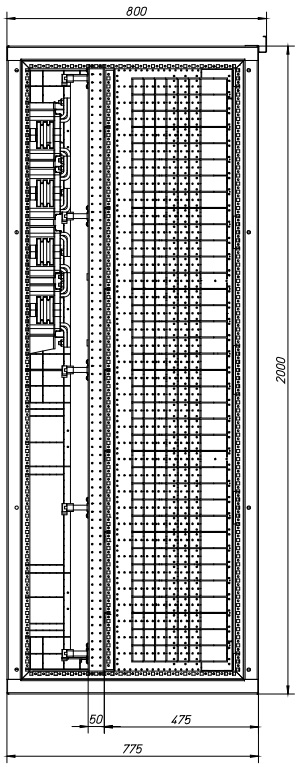
Side view

without side mounting panel



XF_NZM1_3_F4_800_S_oMS_350

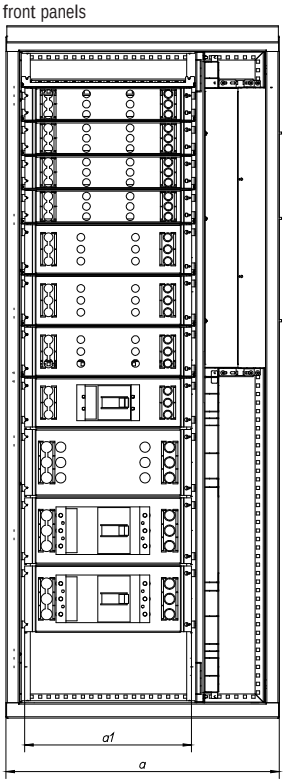
with side mounting panel



XF_NZM1_3_F4_800_S_mMS_350

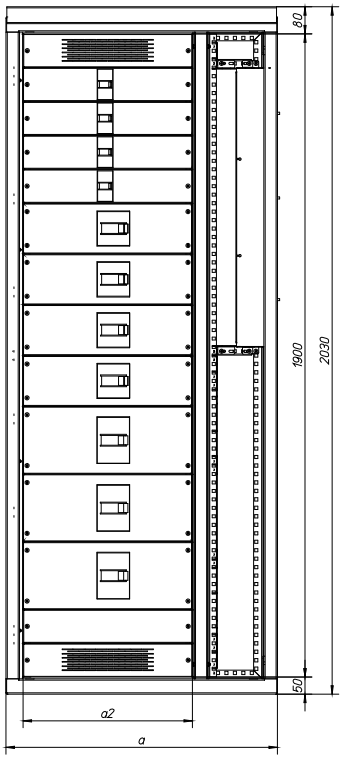
Front view

with front panels



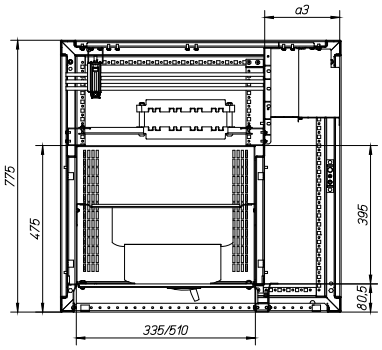
XF_NZM1_3_F4_800_V_oFP_350

without front panels



XF_NZM1_3_F4_800_V_mFP_350

Top view



XF_NZM1_3_F4_800_D_350

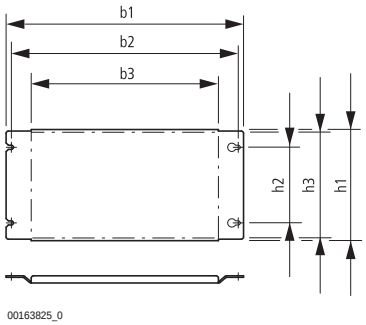
Form 4, section depth = 800

a = Section width	a1 = Module width	a2 = Width of front panels	a3 = Cable connection area
600	314	325	190
800	314	325	390
800	489	500	215
1000	489	500	415
1200	489	500	615

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Dimensions - XF Outgoing sections

XF section mounting plates
XMN....M...
Version II

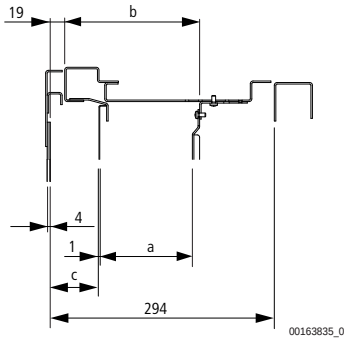


00163825_0

Type	H1	B1	H2	B2	H3	B3
XMN130404M	97	314	50	300	90	247
XMN130406M	97	489	50	475	90	422
XMN230604M	147	314	100	300	140	247
XMN230606M	147	489	100	475	140	422
XMN230606MP	147	489	100	475	140	422
XMN330806M	197	489	150	475	190	422
XMN131204MV	297	314	250	300	290	247
XMN131206MV	297	489	250	475	290	422
XMN231604MV	397	314	350	300	390	247
XMN231606MV	397	489	350	475	390	422
XMN232404MV	597	314	550	300	590	247
XMN232406MV	597	489	550	475	590	422
XMN332404MV	597	314	550	300	590	247
XMN332406MV	597	489	550	475	590	422

Dimensions - XF Outgoing Sections

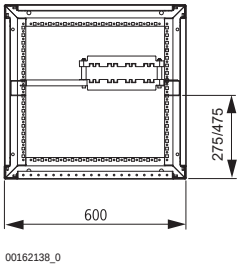
XF section in Form 4, position for mounting plates and front covers
XSMFDb..., XMN....M... and XMN....C...



a	max. 193
b	max. 264
c	64

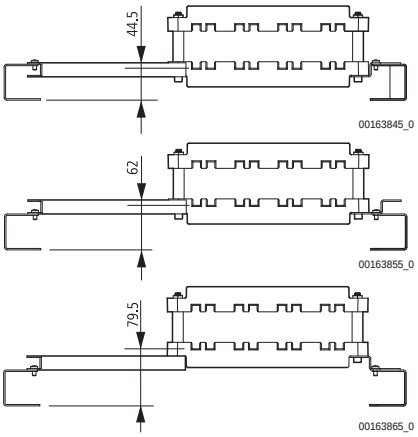
XF section with rear-mounted dropper bars for NZM1-3 circuit-breakers

XDSF...



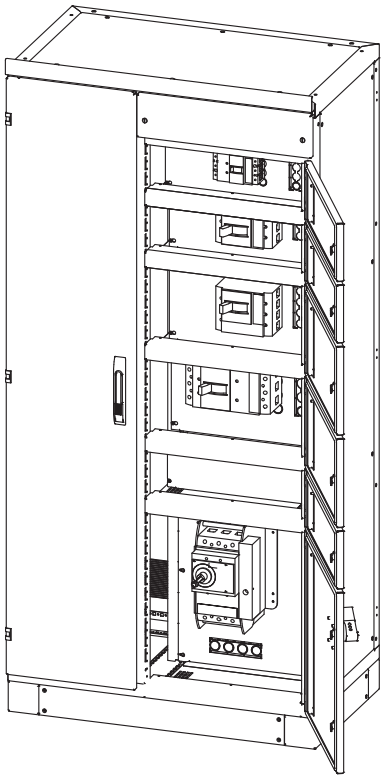
For the lowest position of the dropper bar, use the XADB06E bar end support (no. 166745).

Possible positionings XDSF...



XF Outgoing sections box solution up to 630 A, Form 4 (Motor Control Center in fixed construction)

Form 4



BS_3dansicht

- in the widths of 800, 1000 and 1200 mm
- module widths of 425/600 mm
- each module comes with its own door to the switchgear area
- 3 or 4 poles
- fixed or withdrawable
- suitable for switchgear with remote operation
- to be operated behind the door or with rotary door coupling handle
- dropper bars to be selected from 800-1600 A
- empty module plates for the setup of outgoers

Switchgear area:

· **operation** of switchgear **behind the door** or with **rotary door coupling handle**
· each module comes with its own door to the switchgear area
· mounting of the switchgear on pre-drilled mounting plates

Dropper bars:

· Center-to-center distance between phases 60 mm
· Rated current up to 1600 A
· Rated short-time withstand current I_{CW} up to 80 kA

Cable connection area:

· cable connection is implemented either from the top or from the bottom behind a separate door to the connection area
· connection of the individual modules is implemented directly on the switchgear
· side-mounted cable strain relief rails ensure a safe and neat guidance of cables
· vertical PE-, N or PEN rails are mounted in the cable connection area and can be equipped with connections for any outgoing cable

Box solution 4 - Heights and equipment

Module width 425 mm

Module width 600 mm

Circuit breakers NZM1
3/4 poles up to 160 A, H = 200 mm, 8U
Mounting position: horizontal, Installation type: fixed/ withdrawable

Circuit breakers NZM2
3 poles up to 300 A, H = 200 mm, 8U
Mounting position: horizontal, Installation type: fixed/ withdrawable

Circuit breakers NZM2
4 poles up to 300 A, H = 300 mm, 12U
Mounting position: horizontal, Installation type: fixed/ withdrawable

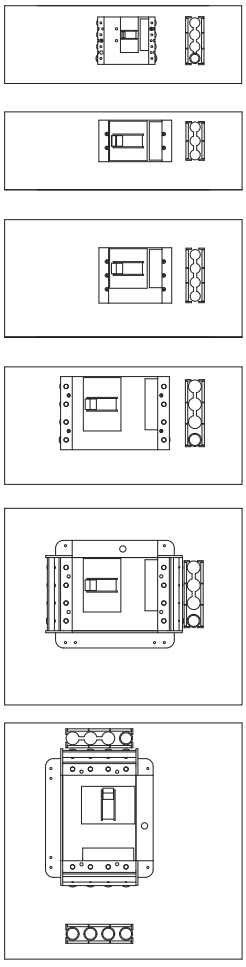
Circuit breakers NZM3
3/4 poles up to 630 A, H = 300 mm, 12U
Mounting position: horizontal, Installation type: fixed

Circuit breakers NZM3
3/4 poles up to 630 A, H = 500 mm, 20U
Mounting position: horizontal, Installation type: with-drawable

Circuit breakers NZM3
3/4 poles up to 630 A, H = 600 mm, 24U
Mounting position: horizontal, Installation type: fixed/ withdrawable



BS_425_NZM



BS_600_NZM

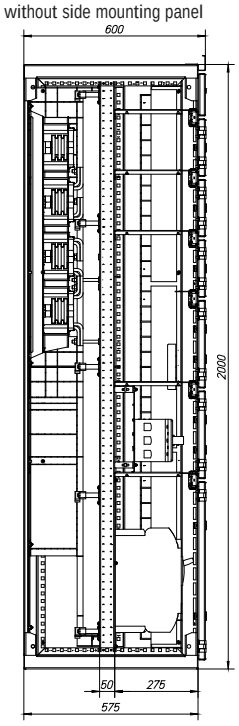
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Dimensions - XF Outgoing sections

XF section / Box solution with NZM1-3 circuit breaker, Form 4, section depth of 600 mm
XSMFDB0606-BS (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 275 mm depth

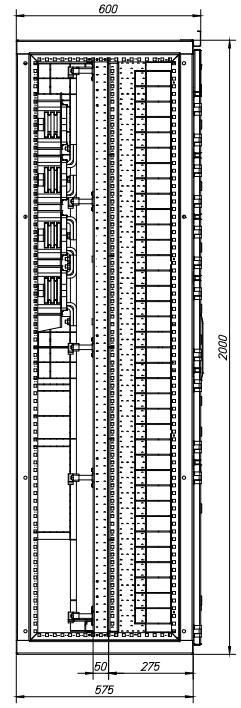
Side view

without side mounting panel



XF_NZM1_3_F4_600_S_oMS_BS

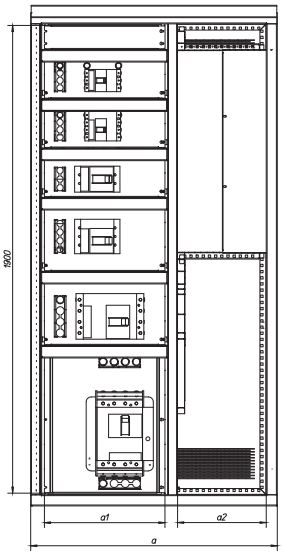
with side mounting panel



XF_NZM1_3_F4_600_S_mMS_BS

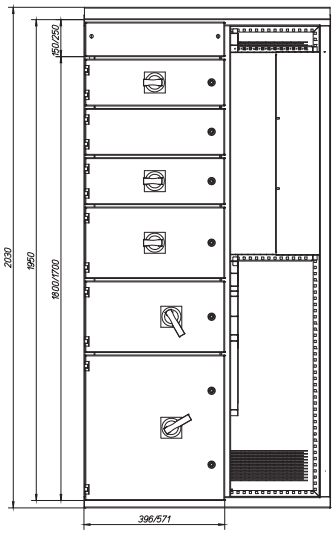
Front view

without module doors



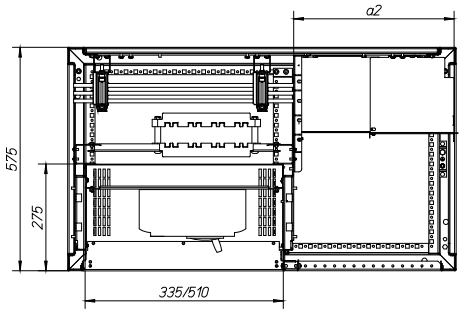
BS_abmessungen

with module doors



BS_abmessungen

Top view



XF_NZM1_3_F4_600_D_BS

Box solution, section depth = 600 mm

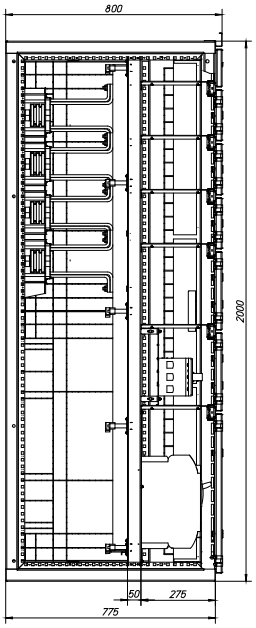
A = Section width	a1 = Module width	a3 = Width of cable area
600	314	190
800	314	390
800	489	215
1000	489	415
1200	489	615

Dimensions - XF Outgoing sections

XF section / Box solution with NZM1-3 circuit breaker, Form 4, section depth of 800 mm
XSMFDB0608-BS (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 275 mm depth

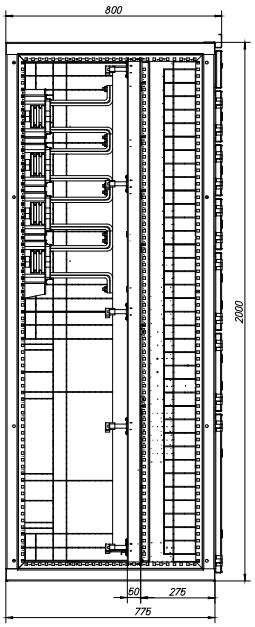
Side view

without side mounting panel



XF_NZM1_3_F4_800_S_oMS_BS

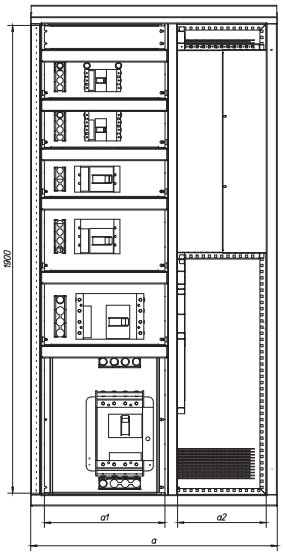
with side mounting panel



XF_NZM1_3_F4_800_S_mMS_BS

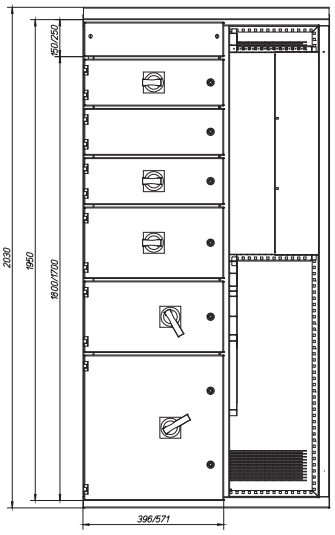
Front view

without module doors



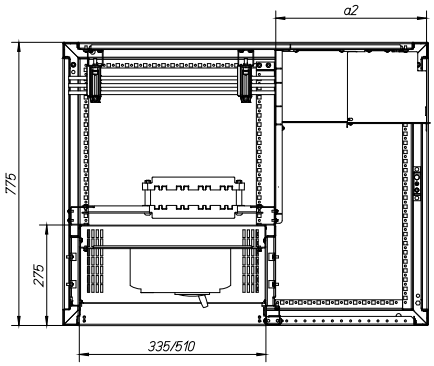
BS_abmessungen

with module doors



BS_abmessungen

Top view



XF_NZM1_3_F4_800_D_BS

Box solution, section depth = 800 mm

A = Section width	a1 = Module width	a3 = Width of cable area
600	314	190
800	314	390
800	489	215
1000	489	415
1200	489	615

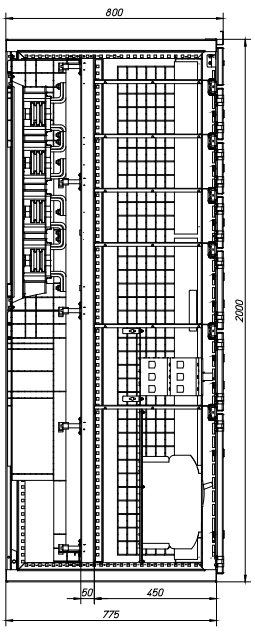
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Dimensions - XF Outgoing sections

XF section / Box solution with NZM1-3 circuit breaker, Form 4, section depth of 800 mm
XSMFDB0608-BS-350 (type of fitting kit)
Fitting kit for modules/switchgear assemblies of up to 450 mm depth

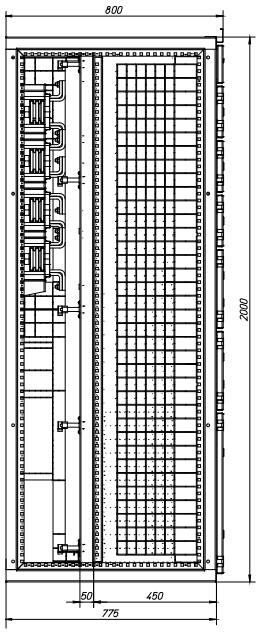
Side view

without side mounting panel



XF_NZM1_3_F4_800_S_oMS_BS_350

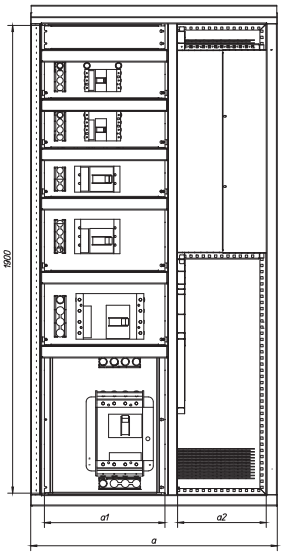
with side mounting panel



XF_NZM1_3_F4_800_S_mMS_BS_350

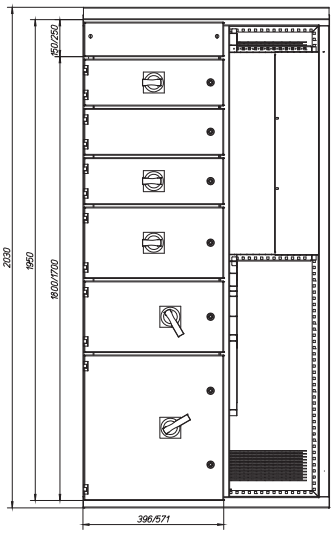
Front view

without module doors



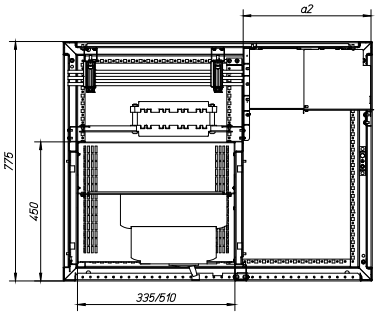
BS_abmessungen

with module doors



BS_abmessungen

Top view



XF_NZM1_3_F4_800_D_BS_350

Box solution, section depth = 800 mm

A = Section width	a1 = Module width	a3 = Width of cable area
600	314	190
800	314	390
800	489	215
1000	489	415
1200	489	615

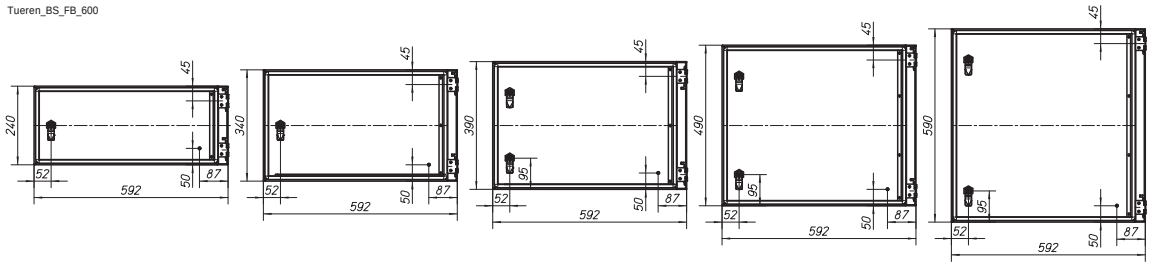
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Dimensions - XF Outgoing sections

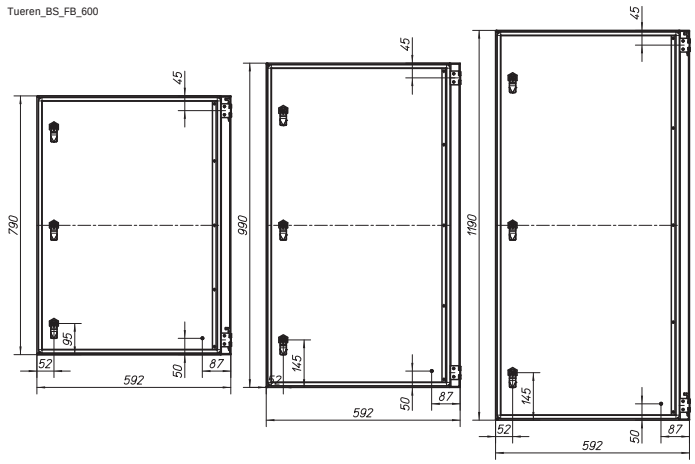
Doors - Box Solution
Version: Individual cabinet (no combination/device area only)

xEnergy Main doors - section width 600

Tueren_BS_FB_600

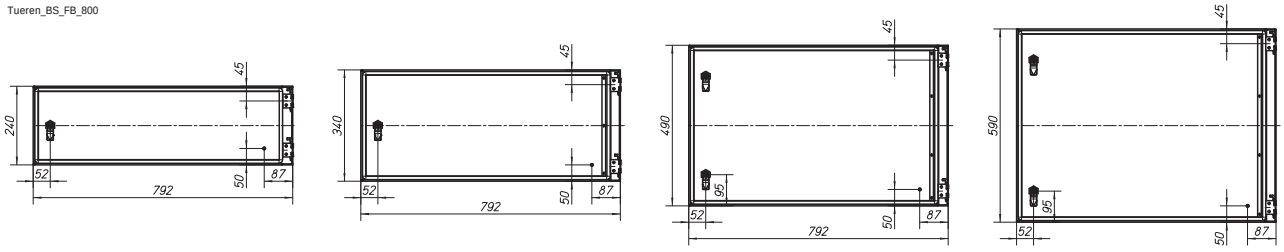


Tueren_BS_FB_600

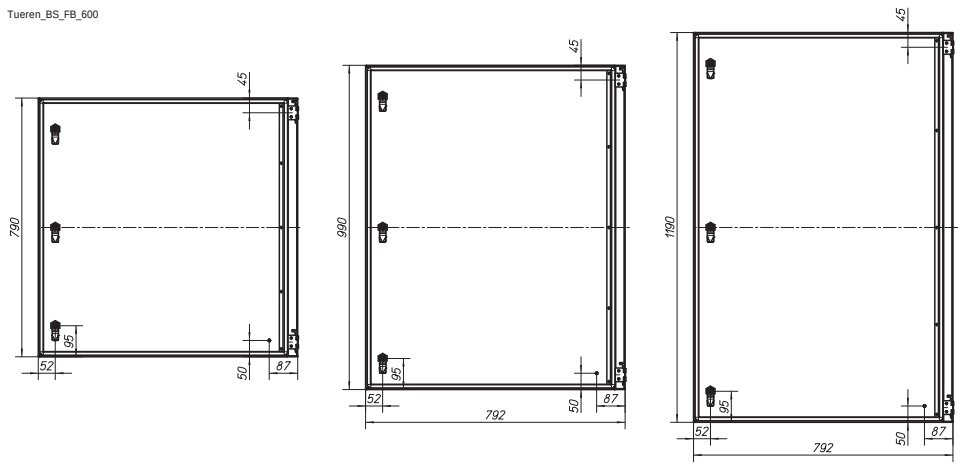


xEnergy Main doors - section width 800

Tueren_BS_FB_800



Tueren_BS_FB_600



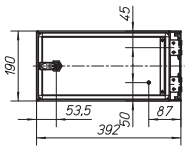
EATON
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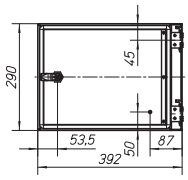
Dimensions - XF Outgoing sections

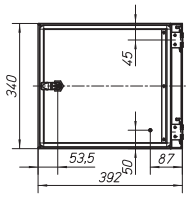
Doors - Box Solution
Version: Combined cabinet (device area and cable connection area in one enclosure**)**

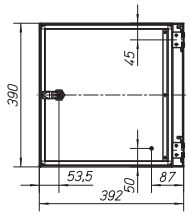
xEnergy Main combined cabinet doors - width of the device area = 425 mm

Tueren_Kombi_BS_GR_425

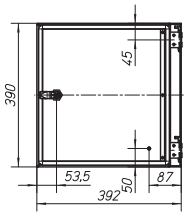


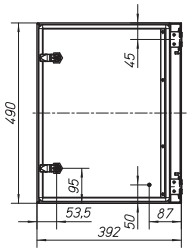


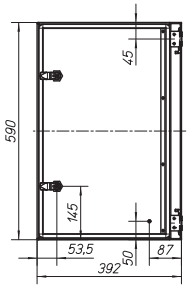




Tueren_Kombi_BS_GR_425

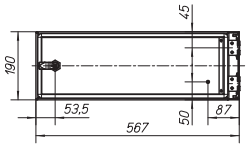


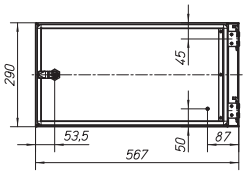


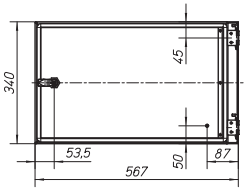


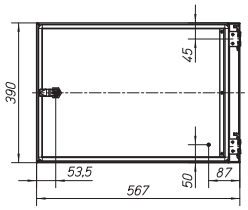
xEnergy Main combined cabinet doors - width of the device area = 600 mm

Tueren_Kombi_BS_GR_600

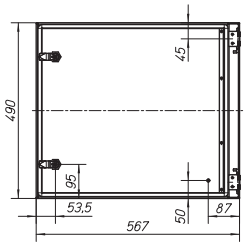


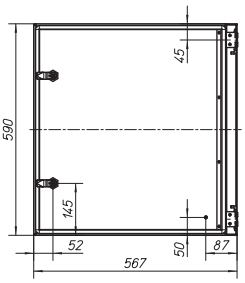


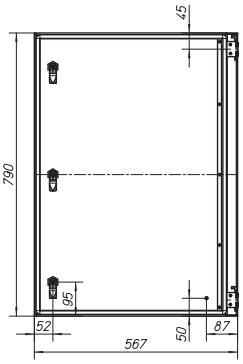


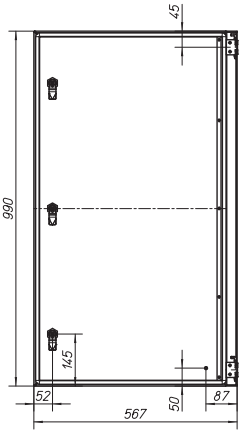


Tueren_Kombi_BS_GR_600

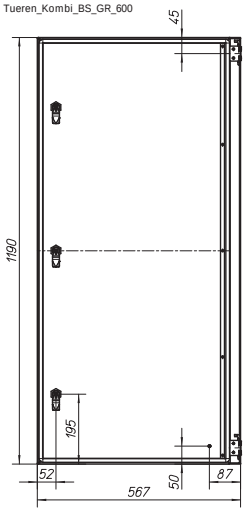








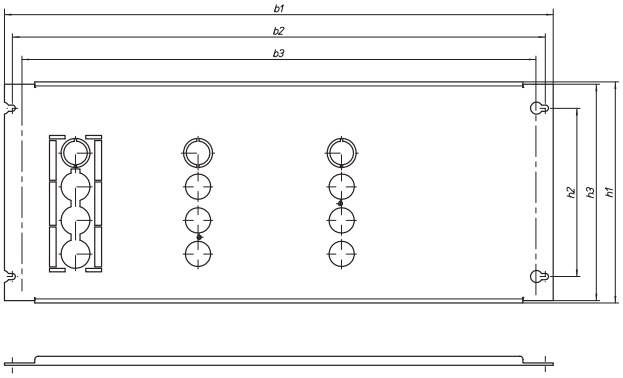
Tueren_Kombi_BS_GR_600



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Dimensions - XF Outgoing sections

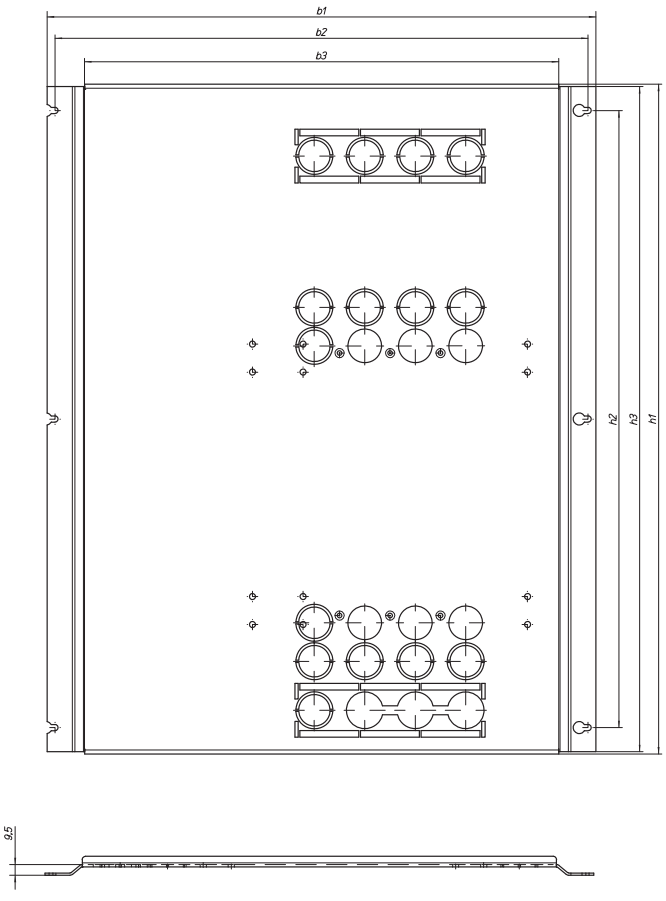
XF section, mounting plates box solution
XMN....M...-BS
Version I



BS_mounting plates_V1

Type	H1	B1	H2	B2	H3	B3
XMN130804M-BS	197	314	150	300	190	283
XMN230804M-BS	197	314	150	300	190	283
XMN241204M-BS	297	314	250	300	290	283
XMN130806M-BS	197	489	150	475	190	458
XMN230806M-BS	197	489	150	475	190	458
XMN241206M-BS	297	489	250	475	290	458
XMN341206M-F-BS	297	489	250	475	290	458

Version II



BS_mounting plates_V2

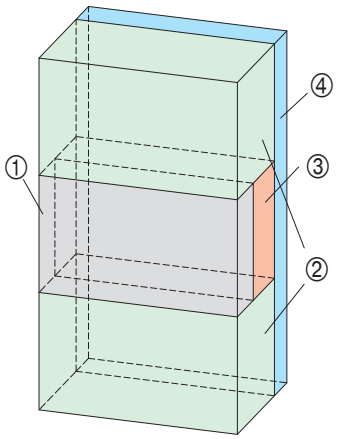
Type	H1	B1	H2	B2	H3	B3
XMN342404M-BS	597	314	550	300	590	247
XMN342006M-W-BS	497	489	450	475	490	422
XMN342406M-BS	597	489	550	475	590	422

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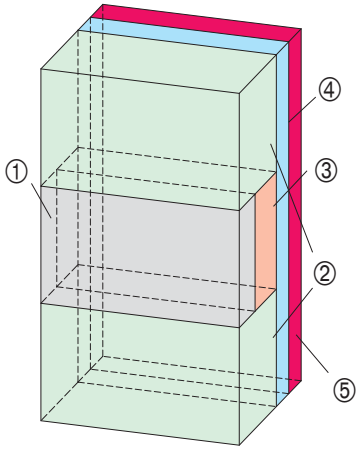
XF Outgoing sections for Fixed Design - Fuse Strips

Functional areas

Busbar rear-mounted (vertical switchgear installation)



Funktionsr_SL



Funktionsr_SL_5000

1 Switchgear area

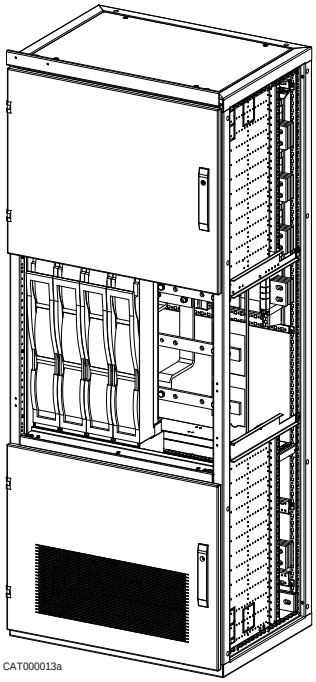
2 Cable connection area

3 Dropper bars

4 Main busbars

5 Additional main busbar section for 5000 A

XF Outgoing sections for fuse switch disconnectors



CAT000013a

Please consider the max. current carrying capacity of the fuse strips depending on the ambient temperature, the degree of protection and the number of fuse strips per section according to the technical xEnergy data.

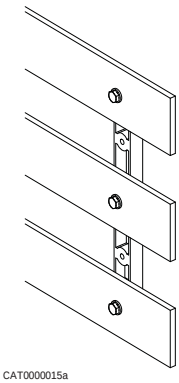
- For **Eaton fuse switch disconnector strips** of the FCF and NHW-SLS series
- With single interruption
- In a **vertical** position

Switchgear area:

- **Operation** of the fuse strips either **from outside** or **behind the door**
- Connection of the fuse strips on the incoming side on a horizontally aligned dropper bar system
- Thanks to a cover frame depending on the section width the fuse strips are connected to the fitting frame. The cover frame (**XSMLV-I-CH..**) is not part of the fitting kit and has to be ordered separately in the corresponding section width.
- Where fuse strips are used with a transformer:
  For the NHW-SLS series, transformers suitable for the system can be integrated at any time.
  For the FCF series, the type designation of the fuse strips has to end on -CTO, this means that the fuse strip is suitable for the installation of transformers; it is not necessary to add any extra depth in your calculation.

Suitable fuse strips are listed in the catalogue “Switchboard accessories“ on www.xEnergy-Partner.com or www.eaton.eu

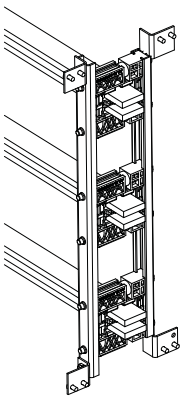
Dropper bar systems:



CAT0000015a

Vertically aligned bars / single bar

- Center-to-center distance between phases:185mm
- Rated current: 800-1600A
- Rated short-circuit strength I_{cw}: 50kA
- Dropper bar supports: XDSLH
- Dimensions of Cu bars: 1x40/10, 1x60/10, 1x80/10, 1x100/10



CAT0000015b

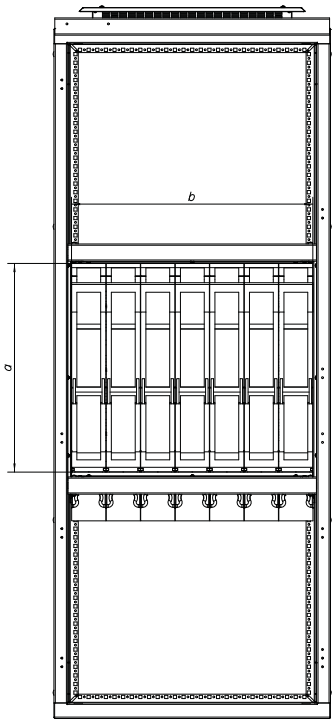
Vertically aligned bars / double bar

- Center-to-center distance between phases: 185mm
- Rated current: 1600-3200A
- Rated short-circuit strength I_{cw}: up to 80kA
- Dropper bar supports: XDSF-XX-SL-D
- Dimensions of Cu bars: 2x40/10, 2x60/10, 2x80/10, 2x100/10

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XF Outgoing sections - fixed design - for fuse switch disconnectors - Dimensions

Installation area

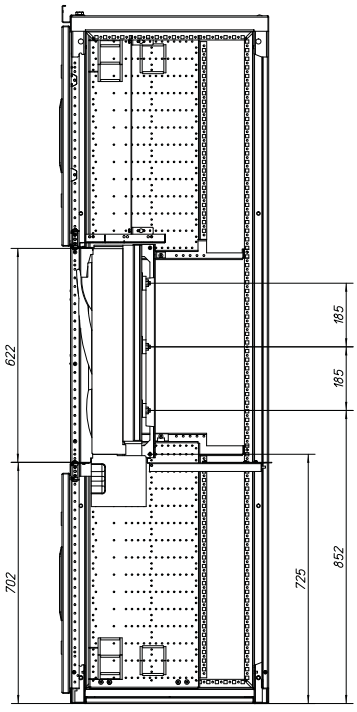


CAT0000013d

Section width in mm	Max. installation area, width in mm, with transport separation	Max. installation area, width in mm, without transport separation	Installation height in mm
b			a
600	400	500	605
800	600	700	605
1000	800	900	605

Type	I_e up to in A	Size in mm
SL00	160	50
SL1	250	100
SL2	400	100
SL3	630	100

Cable connection area



CAT000014b

Cable connection area:
- cable connection can be done from the top and/or from the bottom
- connections of the fuse strips can be covered and insulated individually
- cable strain relief rails provide for safe guidance of outgoing cables
- access to the connection area is possible through a separate door to the cable connection area; the connection area is separated from the other functional areas
- areas not used for cable insertion can be used for additional equipment such as disconnect terminals, measuring devices or MCBs
- with the EVEN type of connection you will need an extra separation panel in the width of the section (XPLB....) to build a barrier between functional, cable connection and switchgear area.

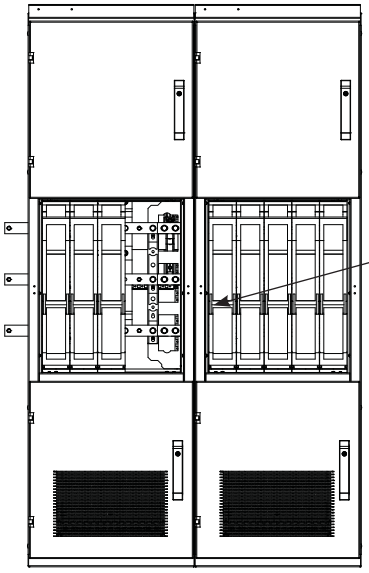
XF Outgoing sections - fixed design - for fuse switch disconnectors with section dropper bar across two sections

Add-on/connect
Single and double busbar system

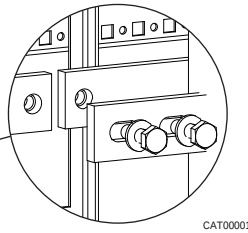
- Easy connection of dropper bars from section to section by means of flat copper straps (thickness of the connection straps of 10 and 12 mm) which - after mechanically connecting the switchboards - are pushed over the dropper bars of the bars that have to be connected and can then be tightened at the corresponding torque using a torque wrench. In order to make the connection of the dropper busbars as easy as possible, you can use the mounting space of a fuse strip. Therefore one of the mounting spaces at the very end (either on the right or left side - whichever you prefer) must stay free for the bar connection. Once you have finished connecting the busbars, you can fix an empty-space cover in front of the separating point.
- Of course it is also possible to install the dropper busbar in one piece across several switchboards (without any separation for transport purposes), provided the situation at the customer's is suitable for bringing the combined switchboards into the building.
- Another possibility for connecting the dropper busbars is using an add-on frame. If you opt for this solution, as of the moment of mounting the copper bars you have to bear in mind that they will stand out of the switchboards by the width of the add-on frame.

Where several SL-I sections are added next to each other, you might even be able to do without the main busbar (depending on the application). By using dropper busbars running across several sections, you can save up to 40% of the copper required.

Add-on of single/vertical bar systems



CAT000013b



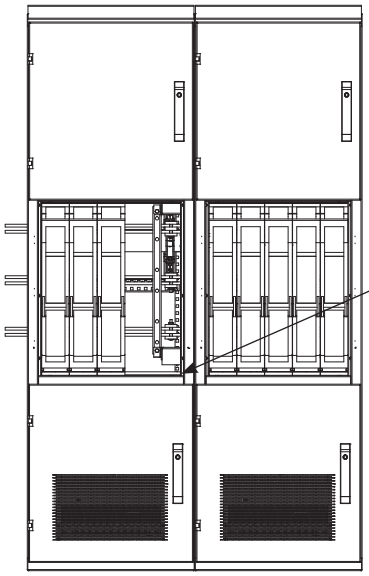
CAT000013c

Use connection straps of the same crosssection as the dropper bar.

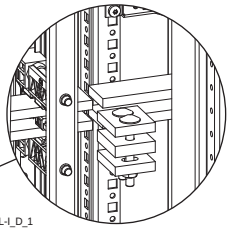
Material thickness 10mm

The exact setup has to be done according to the respective instructions.

Add-on of double/horizontal bar systems



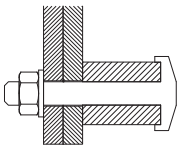
SL-I_D



SL-I_D_1

The Cu connection straps have to be positioned between, on top of and below the dropper bars. For the strap in the middle you need to use flat copper of 12mm thickness. For the other two straps a material thickness of 10mm will do.

The exact setup has to be done according to the respective instructions.



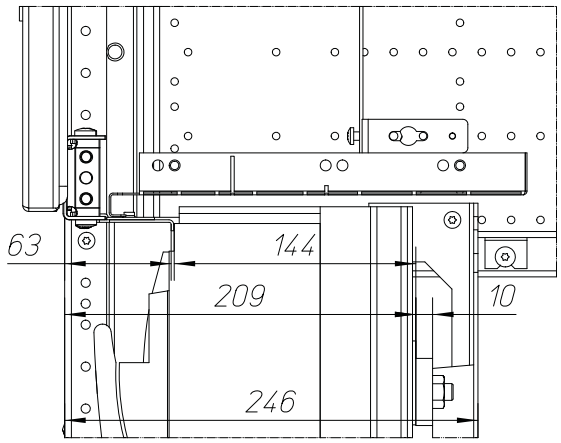
XSMLV_I_Detail_a

Individual holes punched into the dropper bar ensure that the space between the connections from the main busbar to the dropper bar can be used for accommodating fuse strips.

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XF Outgoing sections - fixed design - for fuse switch disconnectors with section dropper bar across two sections - Dimensions

Side view: Detailed dimensions horizontale partition

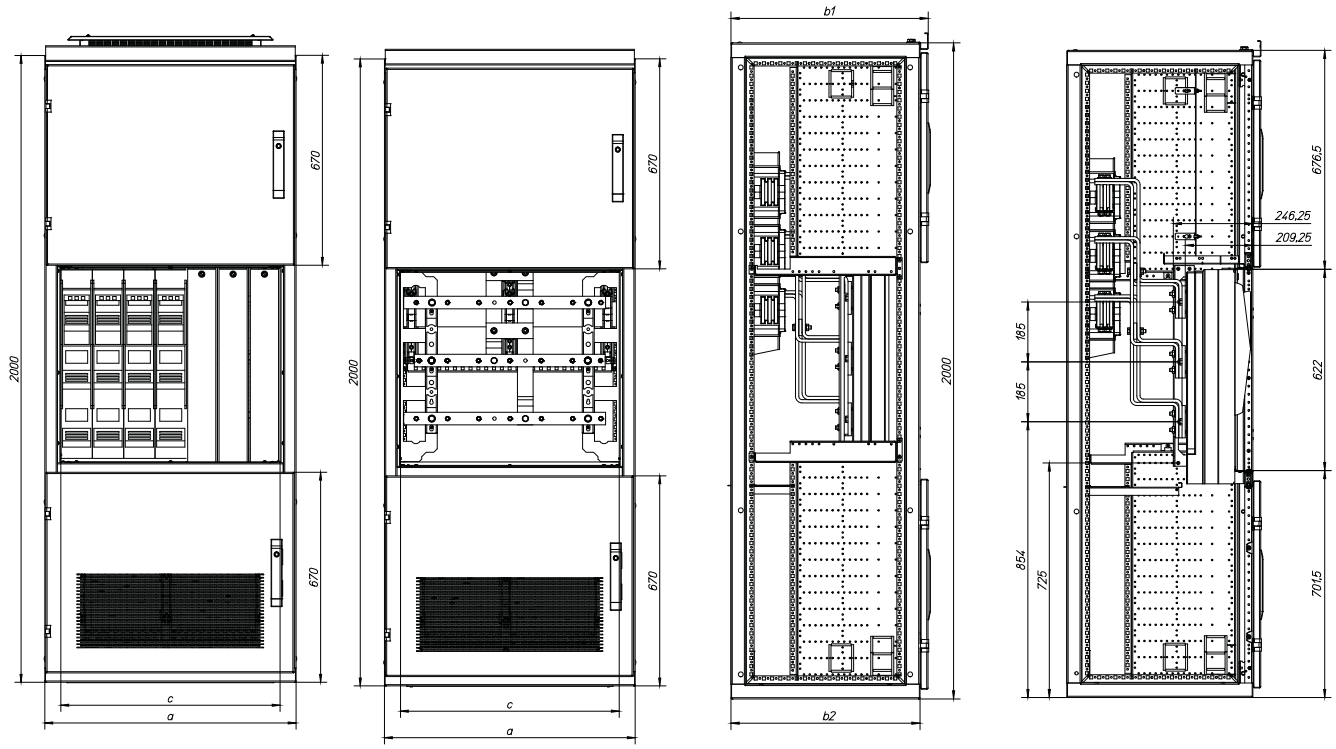


CAT000014c

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XF Outgoing sections - fixed design - for fuse switch disconnectors with section dropper bar across two sections - Dimensions

Detail views with Single Busbar



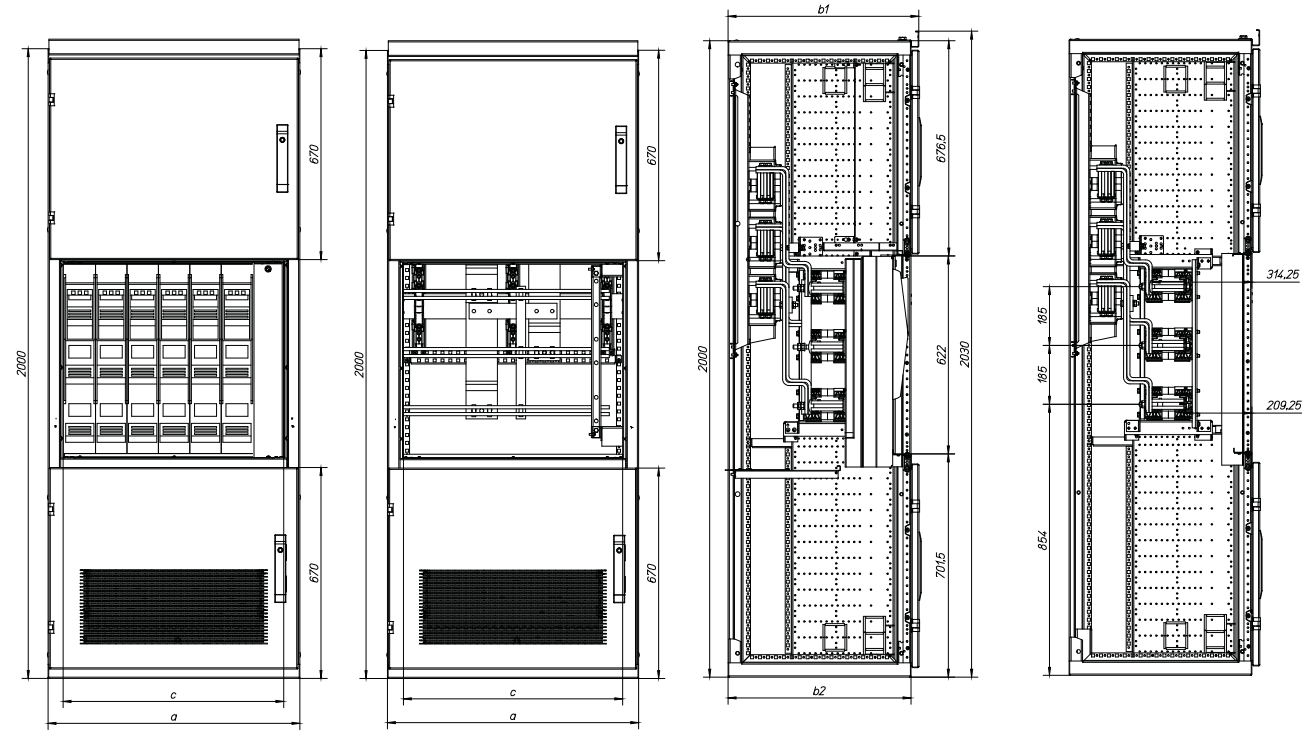
CAT0000016_SL_3

a	c
600	500
800	700
1000	900

b1	b2
600	575
800	775
1000	975

c = possible installation space for devices

Detail views with Double Busbar



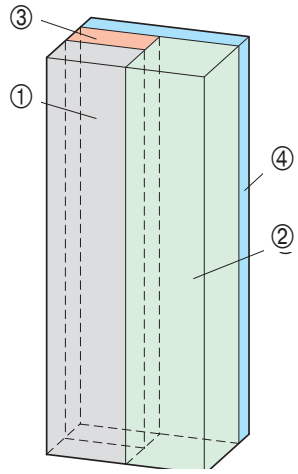
CAT0000017_SL-I_D

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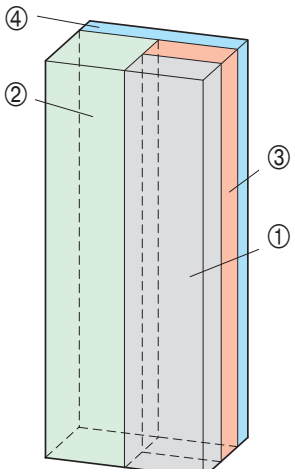
XR Outgoing sections for Removable Design Modules

Functional areas

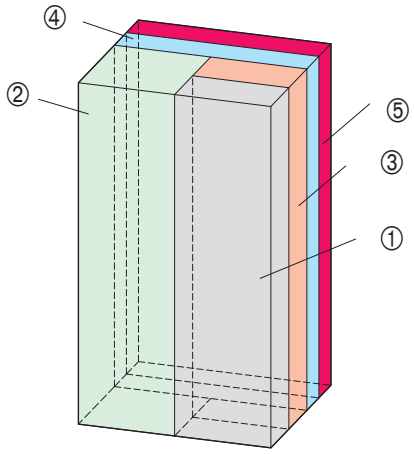
Busbar rear-mounted (vertical switchgear installation)



00156267_0



00155856_0



Kat_5000_funkts_r

1 Switchgear area

2 Cable connection area

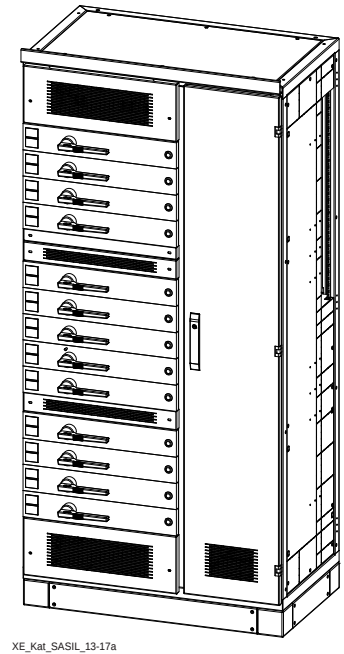
3 Dropper bars

4 Main busbars

5 Additional main busbar section for 5000 A

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XR Outgoing sections for switch fuse units



Section widths of 1000 and 1200 mm, (horizontal installation)
Section widths of 600, 800 and 1000 mm, (vertical installation)
internal separation Form 4

Important rules for PIFT plus project planning

- Place switch fuse units evenly over the entire height of the cabinet
- Place large sizes at the bottom, small ones at the top! Thermal effect!
- Arrange sizes NH00-2 in blocks of 300mm, then leave at least 1 section of 75 mm for ventilation purposes!
- With size NH3 leave 1 section for ventilation purposes both above and below!
- No cross-partitioning in the switchgear area!
- Leave spare areas evenly placed over the entire cabinet height!
- Applying the full rated current is possible for a short while (15-30min). Please respect the rated diversity factors when under permanent load.
- If possible provide for ventilation of the top (max. IP31)!
- Arrangement of busbar supports
  - For size 00 above or below the fuse strips
  - For size 1 between the units
  - For sizes 2, 3 between the units or at the center behind the unit
- Center-to-center distance between busbar supports should be able to be divided by 150 mm (where necessary use another busbar support!)! Most important for smooth mounting of busbar covers!

· for **switch fuse units PIFT plus type, Eaton/ABB Slim-Line**
· with double break feature
· in **vertical** and **horizontal** mounting position (Jean Müller)

Switchgear area:

· **Operation** of the switchgear **from outside** or **behind the door**
· Connection of the switch fuse strips on the incoming side to a vertically arranged dropper bar system, optionally available with plug-in module technology and protected against accidental contact
· Dropper bars provide access from the front over the entire height

Dropper bars:

· Center-to-center distance of phases 185 mm
· Rated current up to 1600 A
· Rated short-time withstand current I_{CW}

Busbar	Busbar cross-section	Max. center-to-center distance of busbars in mm for I_{cw} (1s)		
I_e	L1, L2, L3, full N	45 kA	50 kA	65 kA
A	mm^2	mm	mm	mm
800	1 x 40 x 10	600	600	-
1000	1 x 60 x 10	600	600	600
1250	1 x 80 x 10	750	750	600
1600	1 x 100 x 10	750	750	750

Cable connection area:

· Cable connection is implemented on the right side of the distributor section, outgoing cables can be introduced from above or below
· Connections of the fuse strips can optionally be covered with cable barriers for protection against accidental contact.
· Cable strain relief rails assure secure guidance for the outgoing cables
· The connection area is accessible via a separate door to the cable connection area and can be sealed off from the busbar and switchgear area.
· Vertical PE, N or PEN rails are installed in the cable connection area and can be equipped with terminations for every outgoing cable.

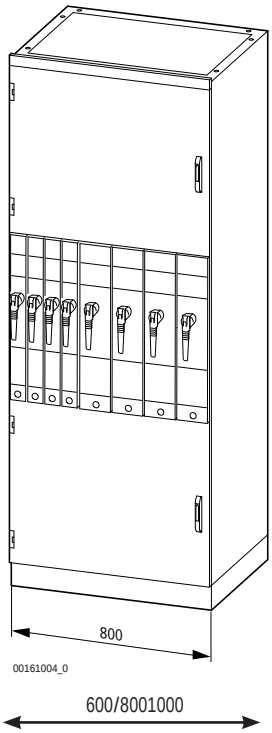
Type	I_e up to A	Size mm	Number per section
PIFT00	160	50	max. 24
PIFT1	250	75	max. 16
PIFT2	400	150	max. 8
PIFT3	630	150	max. 8

Vertical installation:

· Connection of the switch fuse strips on the incoming side to a vertically arranged dropper bar system
· Cable connection is implemented from the top or bottom
· The connection area is accessible via a separate door to the cable connection area
· Areas not used for cable insertion can be used for additional equipment, e.g. for controlgear
· **Operation** of the switchgear **from outside**

Type	I_e up to A	Size mm
PIFT00	160	50
PIFT1	250	75
PIFT2	400	150
PIFT3	630	150

Section width mm	Max. installation space mm
600	500
800	700
1000	900



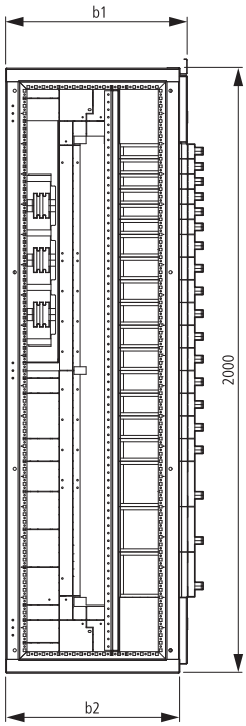
Fuse strips can only be used with rear-mounted busbars. Please respect the max. current carrying capacity of the fuse strips depending on the ambient temperature, the degree of protection and the number of fuse strips per section in accordance with the xEnergy Main technical data.

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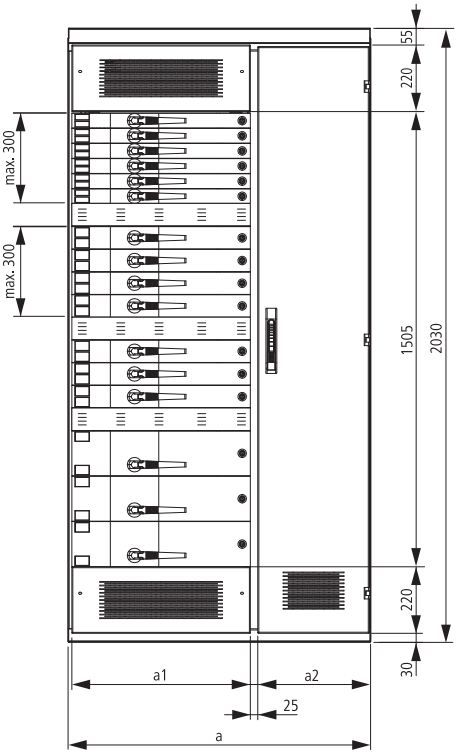
Dimensions - XR Outgoing sections

XR section with incorporation of PIFT switch fuse units, horizontal

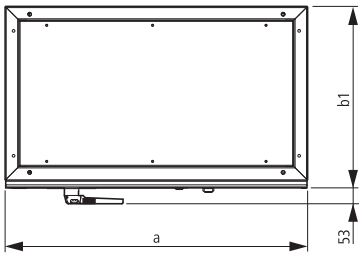
XSMSHD...



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00163875_0



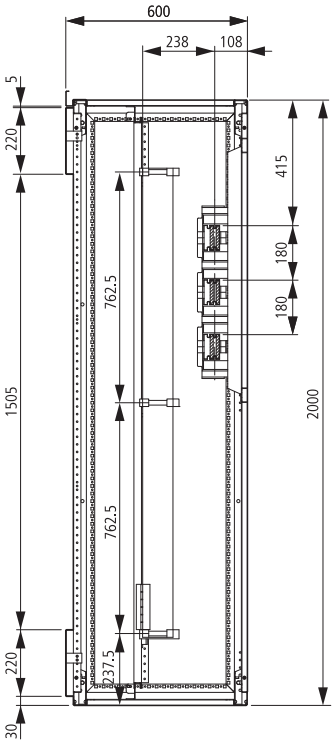
00162108_0

b1	b2
600	575
800	775

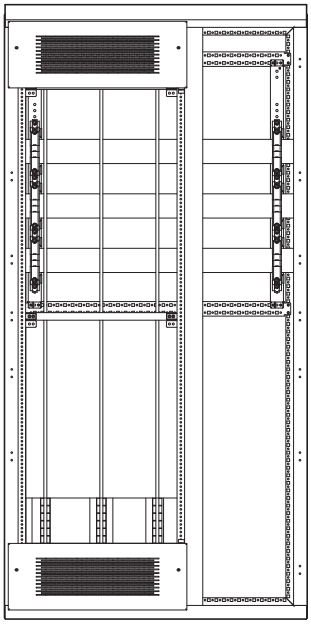
a	a1	a2
1000	590	369
1200	590	569

XR section with incorporation of dropper bars for PIFT switch fuse units, vertical

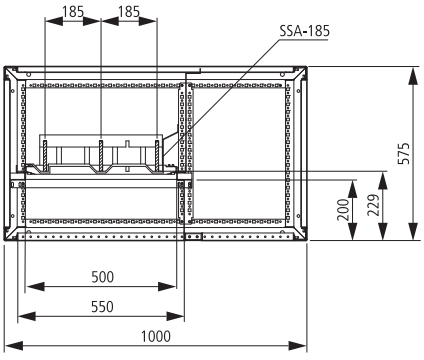
XDSSV...



00164149_0



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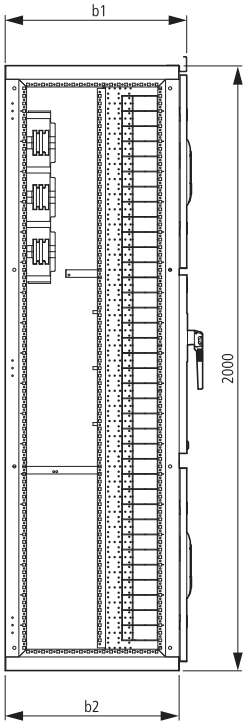


00164169_0

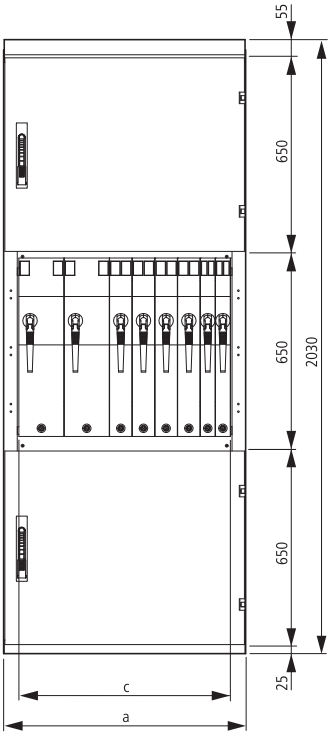
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Dimensions - XR Outgoing sections

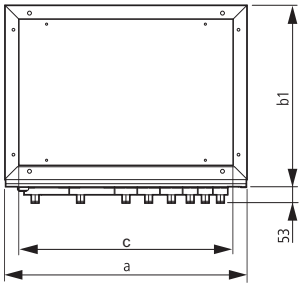
XR section with incorporation of PIFT switch fuse units, vertical
XSMSV...08



00162349_0



00162359_0



00162379_0

b1	b2
600	575
800	775

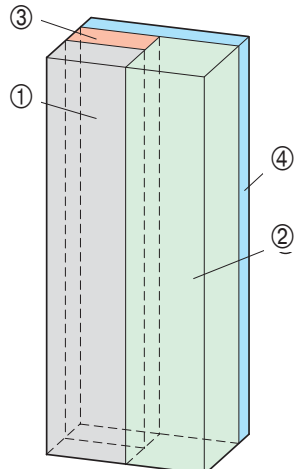
a	c
600	500
800	700
1000	900

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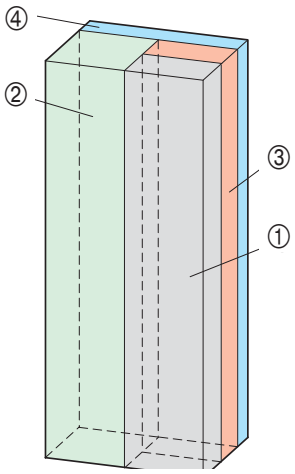
XR Outgoing Sections

Functional areas

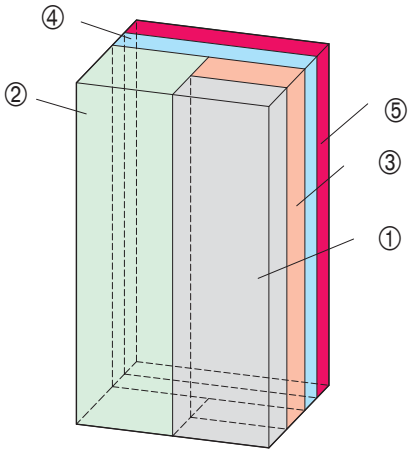
Busbar rear (horizontal switchgear installation)



00156267_0



00155856_0



Kat_5000_funkts_r

1 Switchgear area

2 Cable connection area

3 Dropper bars

4 Main busbars

5 Additional main busbar area with 5000 A

XR Mixed Outgoing Sections

General information:
XR Mixed is the basis for setting up removable (plug-in) modules and fixed modules in a mixed way in one and the same functional area. As a general rule, it is possible to mount removable modules, PIFT fuse strips, fixed modules/Box Solution modules. Of course it is also possible to set up these modules in different versions. So it is possible to set up an internal separation of Form 2b, however, they can be upgraded to accomplish Form 4/Type 7 (acc. to British Standard).

Fitting kits:

There are 3 versions of fitting kits available:

1) Fitting kit - level 0	PIFT modules are level with the frame profile
2) Fitting kit - level -50	PIFT modules are 50 mm behind the frame profile
3) Fitting kit - level -125	PIFT modules are 125 mm behind the frame profile (only for a section depth of 800 mm).

With all three fitting kits it is of course also possible to install removable modules or fixed modules. But the mounting depth available will vary for every fitting kit. The module doors are screw-fixed at the left front height profile.

Mounting depths available when using removable modules (from the front edge of the mounting plate to the inner side of the module door):

1) Fitting kit level 0	235 mm
2) Fitting kit level -50	285 mm
3) Fitting kit level -125	335 mm

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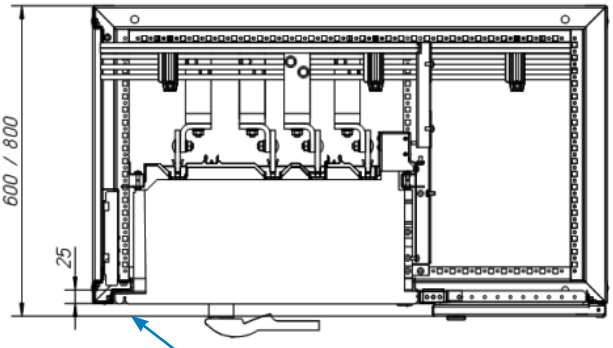
XR Outgoing Sections

Detailed explanation of fitting kits:

Level 0

- No doors possible in front of the PIFT
- 3/4-pole PIFT is possible
- Max. installation depth for fixed modules and Box Solution modules = 230 mm (mounting plate – door)
- Suitable for section depths of 600, 800, 1000 mm

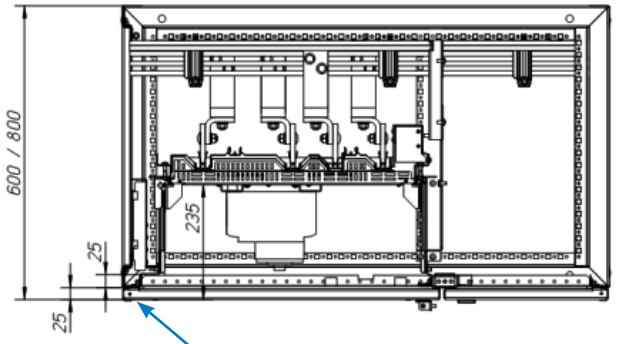
Installation of PIFT modules



XR_Einbausaetze_0_PIFT

PIFT are level with the frame.
Box Solution doors rest on the frame.

Installation of switchgear modules



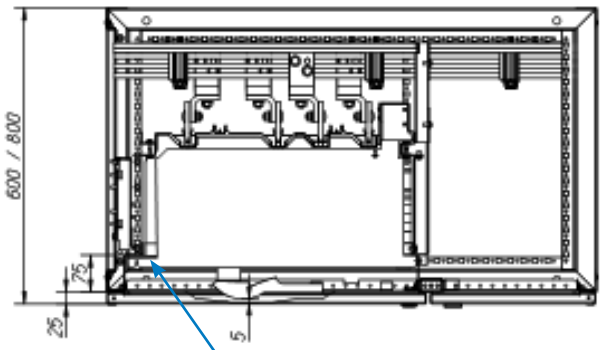
XR_Einbausaetze_0_SG

Box Solution doors rest on the frame.

Level -50

- Module doors in front of the PIFT are possible
- 3-pole PIFT with door is possible, 4-pole PIFT is possible without a door
- Max. installation depth for fixed modules and Box Solution modules = 280 mm (mounting plate – door)
- Suitable for section depths of 600, 800, 1000 mm

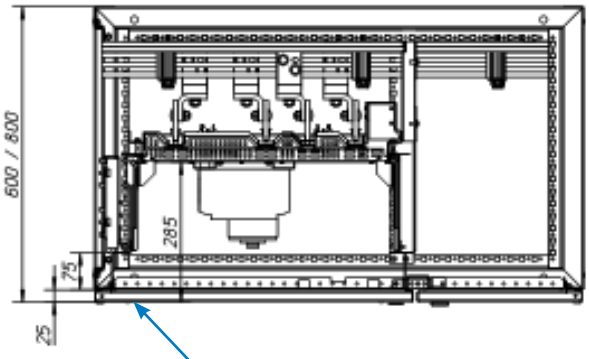
Installation of PIFT modules



XR_Einbausaetze_50_PIFT

The support surface of the PIFT modules is placed 75 mm deeper than the frame.

Installation of switchgear modules



XR_Einbausaetze_50_SG

Box Solution doors rest on the frame.

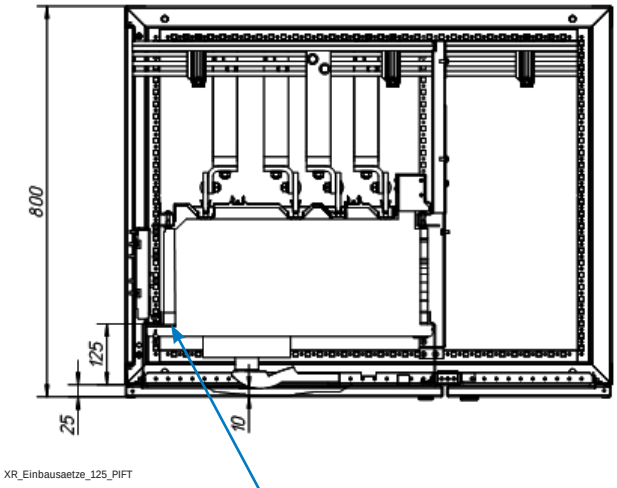
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XR Outgoing Sections

Level -125

- Module doors are possible in front of the PIFT inserts
- 3/4-pole PIFT are possible behind the door
- Max. installation depth for fixed modules and Box Solution modules = 330 mm (mounting plate – door)
- Suitable for section depths of 800+1000 mm

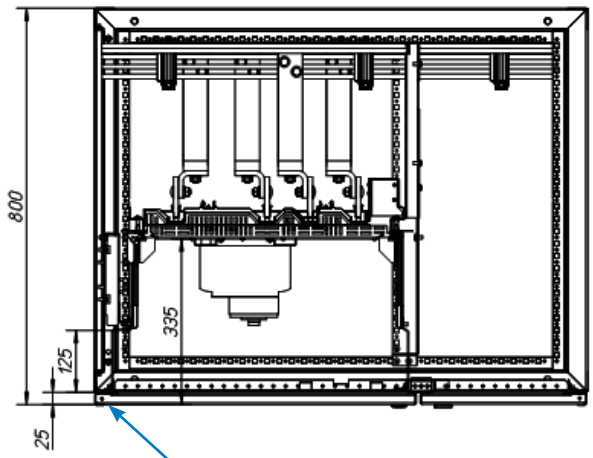
Installation of PIFT modules



XR_Einbausaetze_125_PIFT

The support surface of the PIFT modules is placed 125 mm deeper than the frame.

Installation of switchgear modules



XR_Einbausaetze_0_SG

Box Solution doors rest on the frame.

XR Outgoing Sections

Section setup:

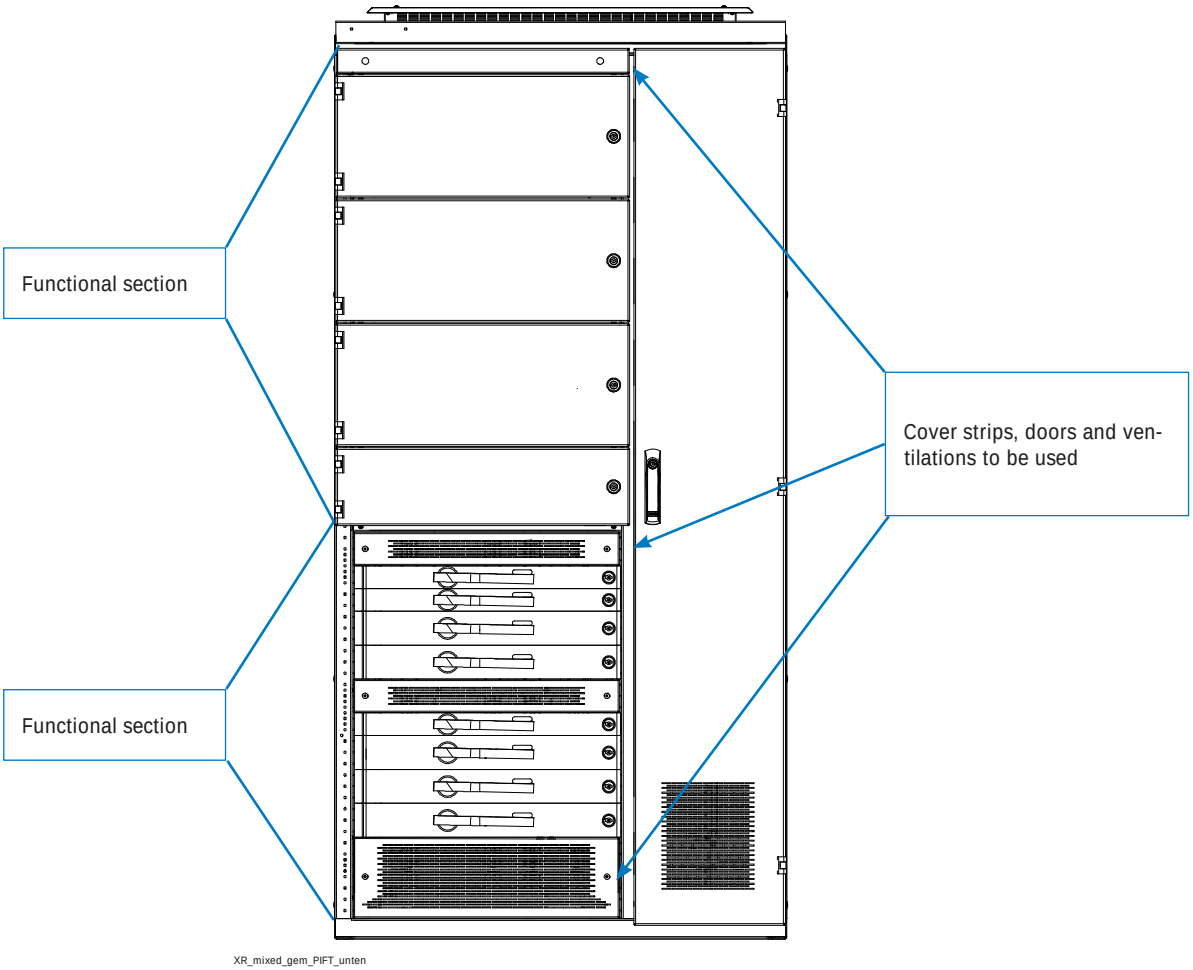
Section widths available:	1000, 1200 mm	
Section depths:	600, 800, 1000 mm	
Widths of cable connection area:		
for a width of 1000 mm with level 0		350 mm
for a width of 1000 mm with levels -50/-125	300 mm	
for a width of 1200 mm with level 0		550 mm
for a width of 1200 mm with levels -50/-125	500 mm	
Degrees of protection:	IP31, IP42, IP55	

Front covers, cover strips, module doors or ventilations

The installation of each top and bottom front cover, ventilation cover strips or module doors of a functional section must be carried out in accordance with the cover strips table in the Ordering Section. Due to the wide variety of possibilities and section variants, their range needs to be presented in the form of a table. The selected front covers/ventilations have a direct impact on the degree of protection, the setup and the modules used.

Important note: The ventilation guidelines provided - as indicated in the cover strips table - must be strictly respected! Not respecting them would have a direct impact on the max. current loads of the modules and dropper bars.

Configuration example



XR_mixed_gem_PIFT_unten

Conventional empty-space covers or module doors can of course be used at your own discretion as long as the degree of protection is taken into account and respected.

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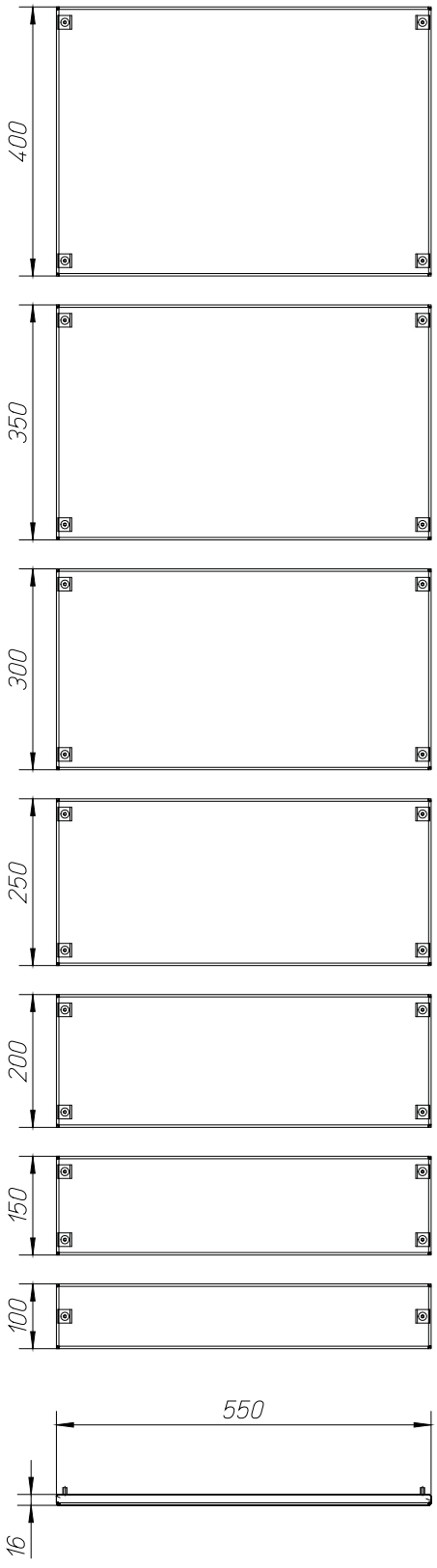
XR Outgoing Sections

Dimensions of the modules

Fixed design - universal modules:

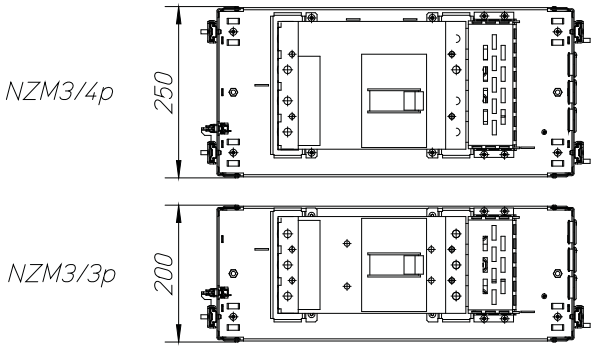
- Mounting plate galvanized
- Material thickness 2 mm

Top view



XF-plate

Front views

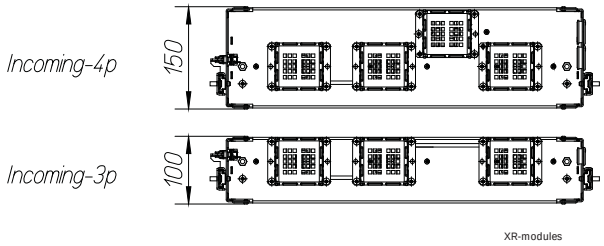


XR-modules

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XR Outgoing Sections

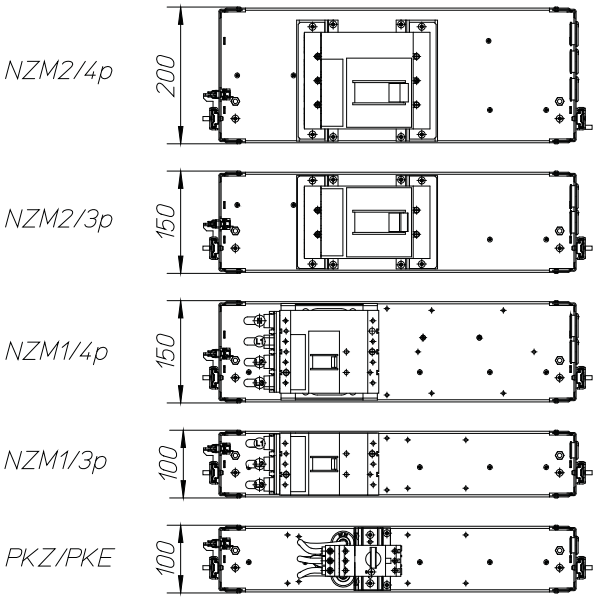
Universal power modules:
- Allow for tapping from the dropper busbar
- I_{max} = 630 A
- Cable connection by cable lug and screw fastening (M10)

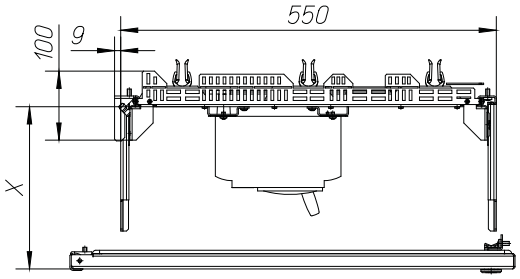


XR-modules

Removable modules (power modules)**:**
- Modules are equipped with glide rails and plastic glides

Top view





XR-modules

Installation level	Max. installation depth X available (module door inside) in mm
D 0	235
D -50	285
D -125	335

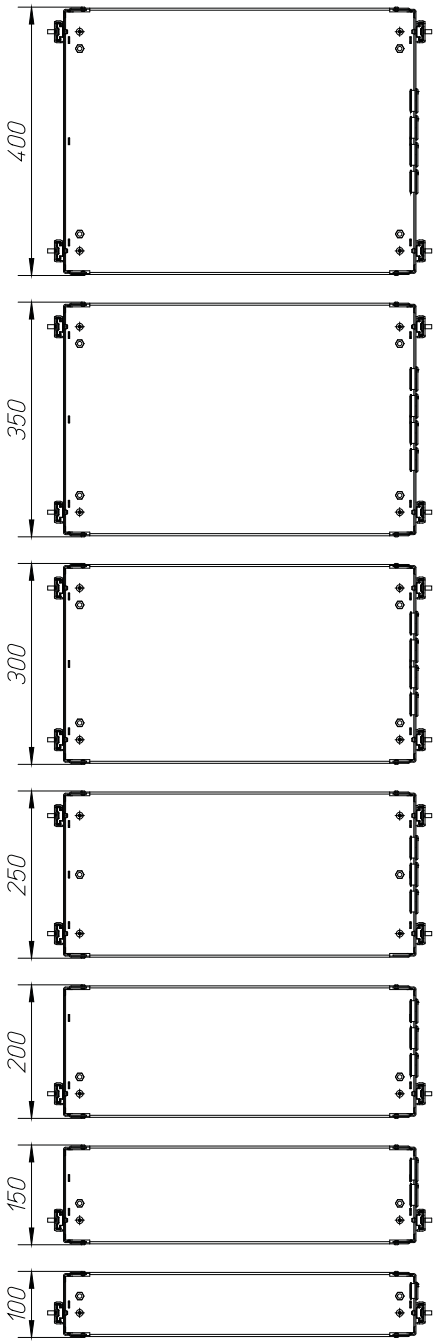
Powering Business Worldwide

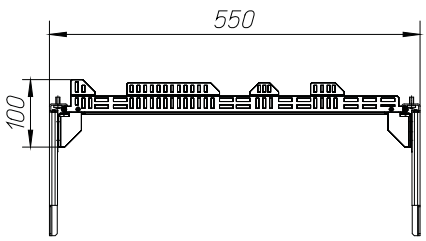
XR Outgoing Sections

Universal removable modules (expansion modules):

- Modules are equipped with glide rails and plastic glides
- Each of the universal modules can be connected to a power module or another universal module. Use the connection kit XMR-ACK for this purpose.

Top view





XR-empty

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XR Outgoing Sections

Dropper busbar:

- System of individual bars
- Center-to-center distance between phases 185 mm
- Rated nominal current up to 1800 A / 35 °C
- Rated short-time withstand current I_{cw}/1s up to max. 80 kA
- Rated short-time withstand current I_{cw}/3s up to max. 50 kA
- Dropper busbar, covered for electr. finger safety IP2X

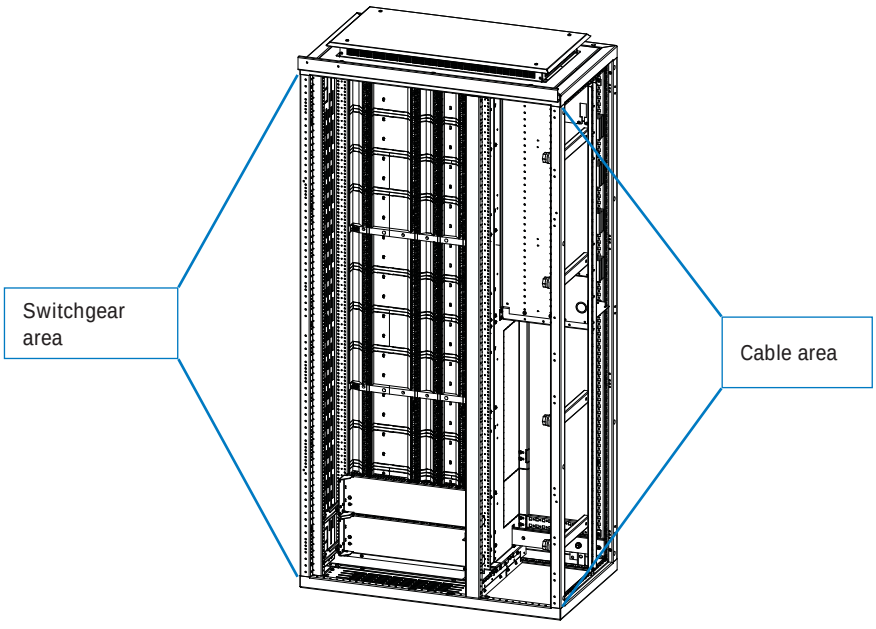
Busbar I_e	Busbar cross-section	Max. center-to-center distance of the busbar supports in mm for I_{cw} (1s) 35 kA	50 kA	80 kA
A	mm²	mm	mm	mm
900	1 x 40 x 10	600	450	-
1350	1 x 60 x 10	600	600	-
1800	1 x 80 x 10	600	600	450

Cable connection area:

- Cable connection has to be carried out in the right-side part of the distribution section. A mirror-inverted setup of the section is not possible. Outgoing cables can either enter from the bottom or from the top.
- Connections for PIFT can optionally be covered with cable partitions (available as accessories in the PIFT catalogue) to make them electrically finger-safe.

- Removable and fixed design modules can be connected and wired in two ways:
  1) As cable interconnect area and open/common terminal area
     For this purpose, the terminals are attached on a continuous DIN rail. Or else - in case of larger terminal cross-sections - they can directly be screw-fixed on a mounting plate that serves as a partition to the main busbar at the same time. Another frequently used possibility is the direct connection in the module. In this case, the outgoing cables can directly be led into the module and be connected to the terminals of the circuit breaker or contactor.
  2) The cable connection area is sub-divided into terminal boxes
     For this purpose, additional horizontal partitions (XPRCCH0350x) need to be installed in the cable connection area. They divide the entire cable connection area into individual terminal boxes. These boxes are usually installed at the same height as the switchgear module (but they can also be installed at a different height level).
     Horizontal covers (XPRCCVxxxx035) in module height (minimum 50 mm to 975 mm) will cover the terminal module at the front and make it electrically finger-safe. If this solution with separate terminal boxes is used, it is mandatory to install an additional cable guidance section. Outgoing cables will be led through this section to the terminal modules and can be connected to the terminals positioned there.

- Additional separation panel in case of a separate cable guidance section, equipped with punch holes for cable insertion. Suitable for closing strips (XPRMC-MC).
- Cable strain relief rails ensure safe guidance of the outgoing cables
- The connection area is accessible through a separate door to the cable connection area and a partition can be installed to the busbar area and the switchgear area.
- Vertical PE, N or PEN rails are mounted in the cable connection area and can be equipped with connections for each outgoing cable
- If the cable connection area is subdivided by additional partitions for terminals, the dropper busbars for PE/PEN and N have to be installed in the additional cable guidance section.

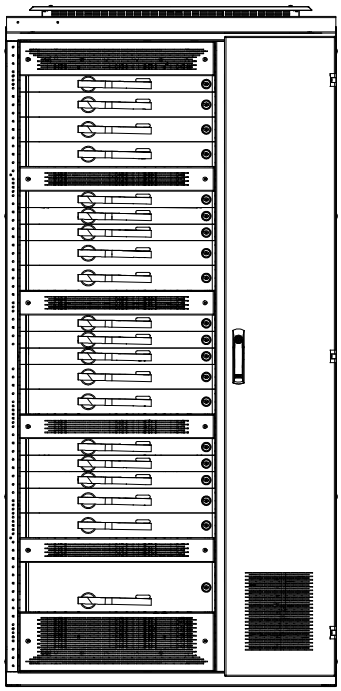


XR_SMN2

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XR Outgoing Sections

Pure setup – PIFT only



XR_mixed_nur_PIFT

Important planning rules for PIFT

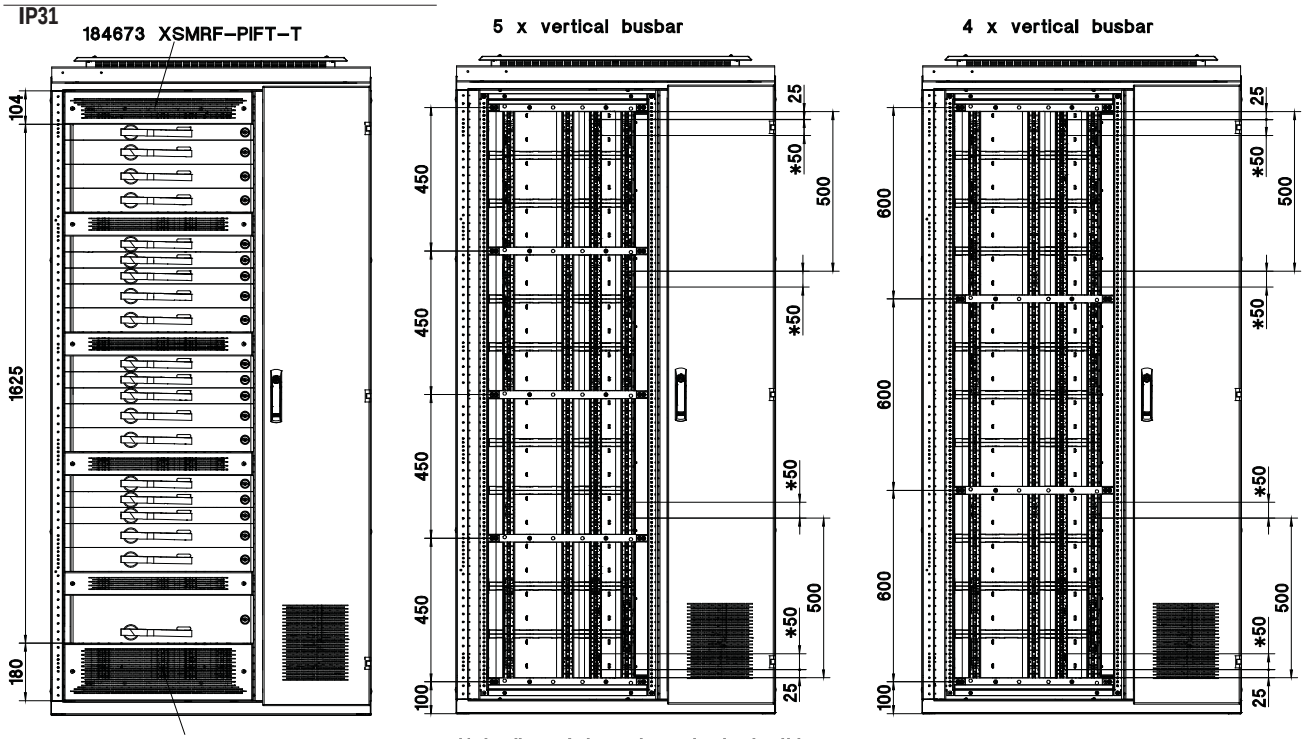
- Fuse strips have to be arranged in a balanced way over the height of the cabinet or the respective functional section
- Large-size units are to be positioned at the bottom, fuse strips with lower rated currents towards the top of the cabinet! For thermal reasons!!
- Sizes NH00-2 should be arranged in blocks of max. 300 mm each, then a ventilated cover strip of 75 mm should be installed!
- For size NH3 you need 1 ventilation section each above and below the fuse strip!
- No cross-partition in the PIFT functional area!
- Arrange spare spaces in a balanced way over the entire cabinet height!
- With permanent load, pay attention to rated load factors!
- Plan ventilation through the top wherever possible (IP31/42)!
- Arrangement of busbar supports
  - With size 00 above or below the fuse strip
  - With size 1 between the fuse strips
  - With size 2 and 3 between or at the center behind the fuse strip
- Busbar support center-to-center distance 150 mm (divisible by any additional SST)! Important for problem-free mounting of the busbar covers!

Switchgear area:

- Operation of the switchgear from outside or from behind the door (depending on the cover frame)
- Connection of the switching strips on the incoming side on a vertically arranged dropper bar system, in removable design with cover for electrical finger-safety
- Dropper bars can be contacted from the front over the entire height
- Pay attention to the ventilation concept according to the table in the Ordering Section!!
- Total switchgear/fitting area available: 1625 mm
- Degree of protection IP31, IP42, IP55
  with IP42 and IP55 a door must be installed in front of the PIFT

Dimensions

Dimensions PIFT setup with fitting frame D 0



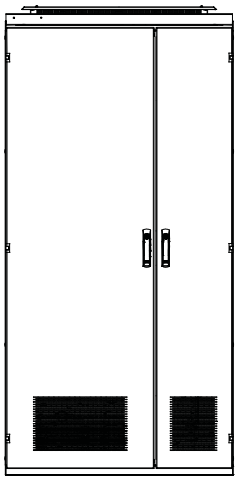
∗ Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

Dimensions

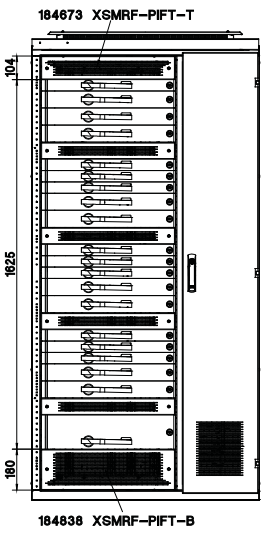
Dimensions PIFT setup with fitting frame D -50 to D -125

IP31

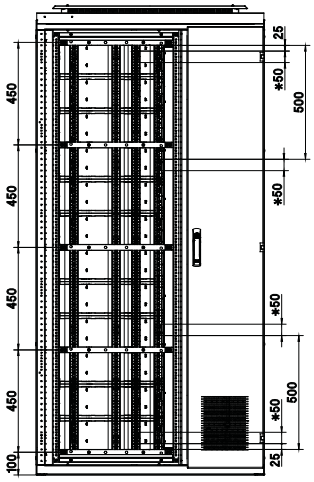
with section high door
(behind door same setup as without door)



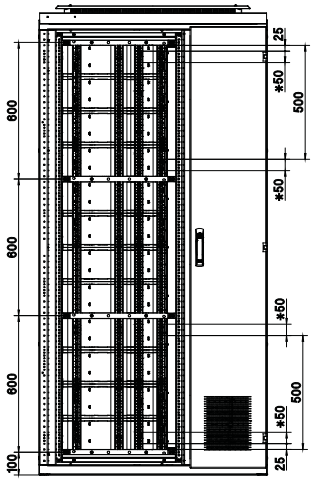
without section high door



5 x vertical busbar

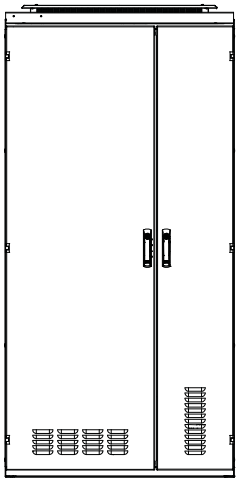


4 x vertical busbar

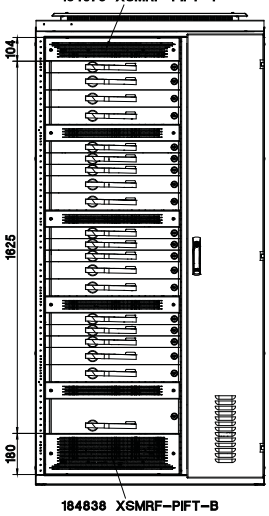


* Not allowed to put contacts in this area
when vertical busbar connection is placed on same side!!!
(only with verticalbusbar 40x10)

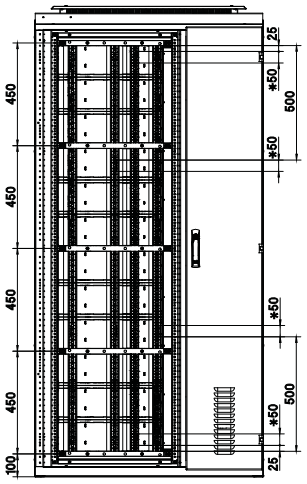
IP42



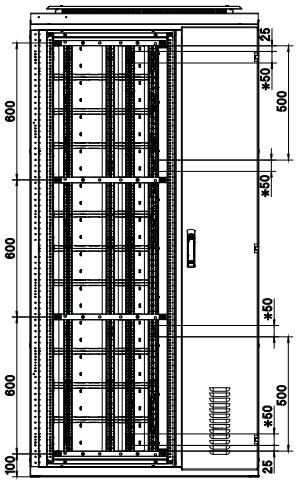
184673 XSMRF-PIFT-T



5 x vertical busbar

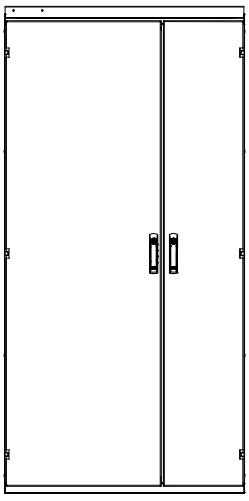


4 x vertical busbar

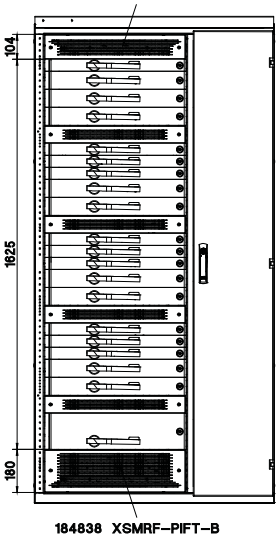


* Not allowed to put contacts in this area
when vertical busbar connection is placed on same side!!!
(only with verticalbusbar 40x10)

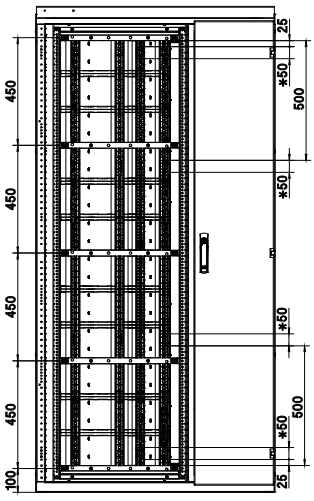
IP55



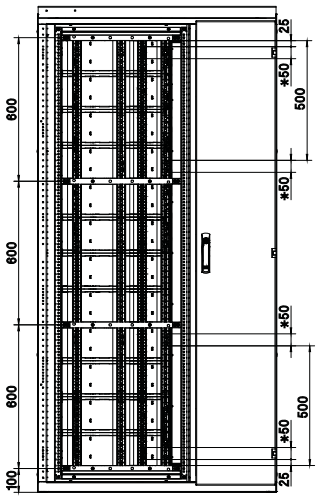
184673 XSMRF-PIFT-T



5 x vertical busbar



4 x vertical busbar

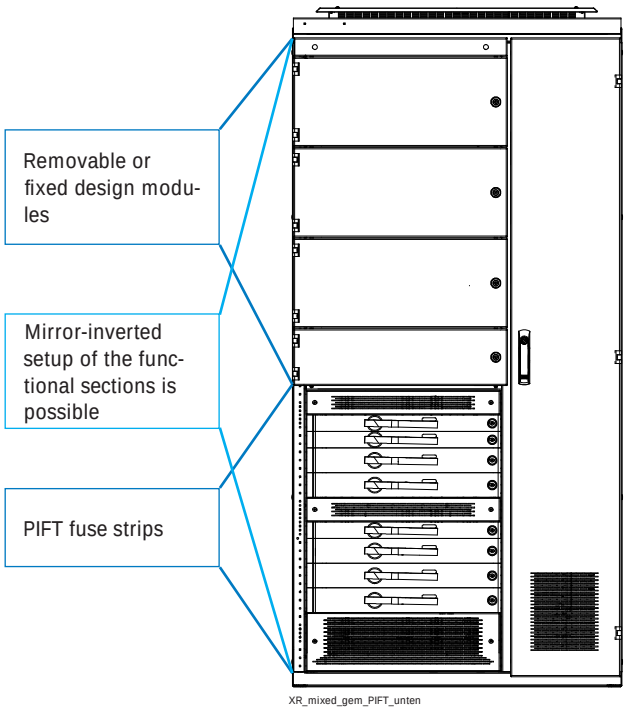


* Not allowed to put contacts in this area
when vertical busbar connection is placed on same side!!!
(only with verticalbusbar 40x10)

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XR Outgoing Sections

Split setup – PIFT and fixed /removable design modules



Switchgear area:

- Arrangement/distribution of the functional areas can be done at your discretion. So you can start with the PIFT functional unit either at the top or at the bottom of the cabinet.
- Operation of the PIFT switchgear from outside or from behind the door (depending on or in connection with the cover frames used and the setup of the fitting frame).
- Removable/fixed design modules can be mounted behind a separate module door or behind a door across several modules.
- Rotary door coupling handles can optionally be integrated into the modules/doors.
- Connection of all outgoing modules on the incoming side, on a vertically arranged dropper bar system, designed for removable modules with a cover for electrical finger-safety.
- The dropper bars can be contacted from the front over the entire height.
- Total switchgear/fitting area varies depending on the setup:
  min: 1687.5 mm to max: 1900 mm
- Pay attention to the ventilation concept according to the table in the Ordering Section!!

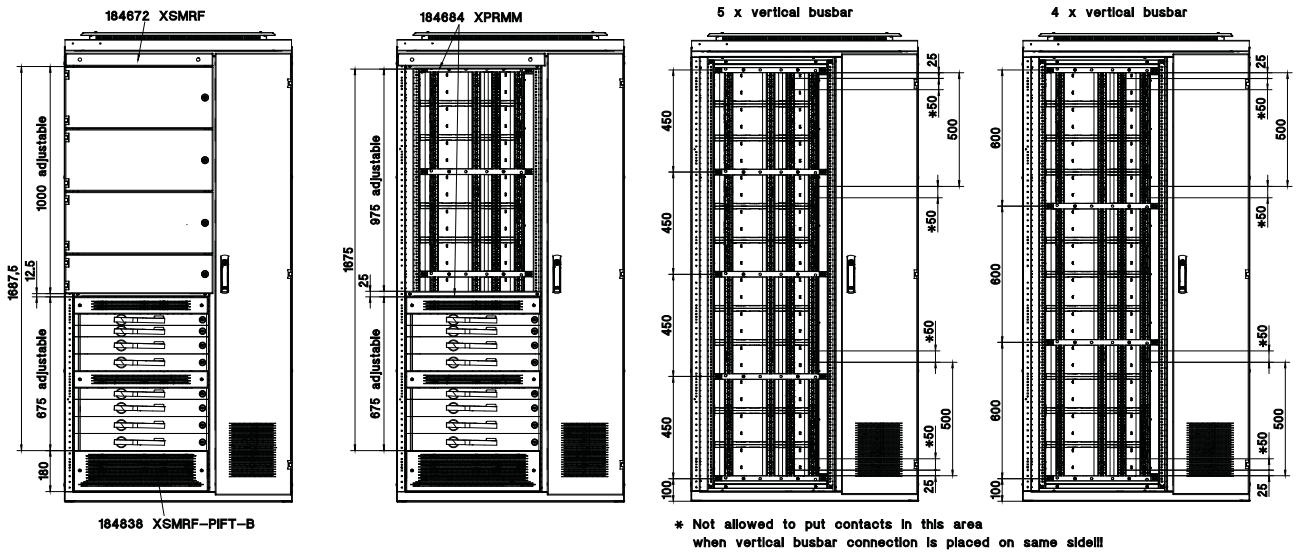
Important planning rules for PIFT

- Select the top and bottom cover strip for each section from the table in the Ordering Section
- Large-size units should be positioned at the bottom, fuse strips with lower rated currents towards the top of the cabinet! For thermal reasons!
- Sizes NH00-2 should be arranged in blocks of max. 300 mm each, then a ventilated cover strip of 75 mm should be installed!
- For size NH3 you need 1 ventilation cover strip each above and below the fuse strip!
- No cross-partition in the PIFT functional area!
- Arrange spare spaces in a balanced way over the entire cabinet height!
- With permanent load, pay attention to rated load factors!
- Plan ventilation through the top wherever possible (IP31/42)!
- Arrangement of busbar supports
  - With size 00 above or below the fuse strip
  - With size 1 between the fuse strips
  - With size 2 and 3 between or at the center behind the fuse strip
- The center-to-center distance between busbar supports must be divisible by 150 mm (where necessary add an-other busbar support! Important for trouble-free mounting of the busbar covers!

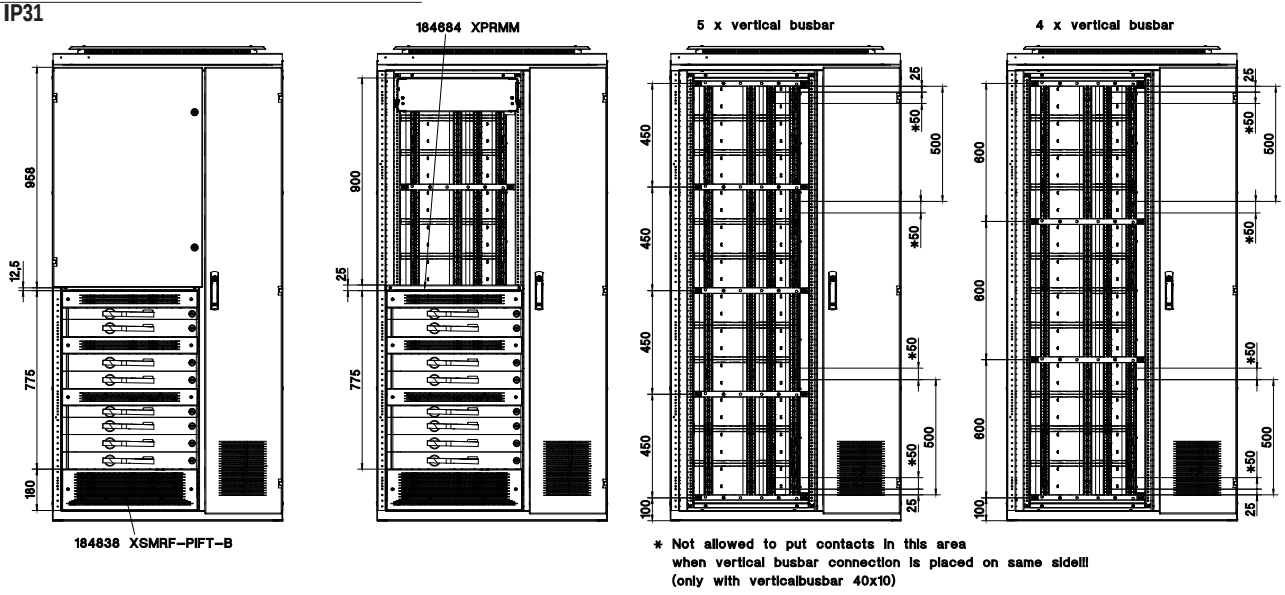
Dimensions

Dimensions mixed setup with fitting frame D 0

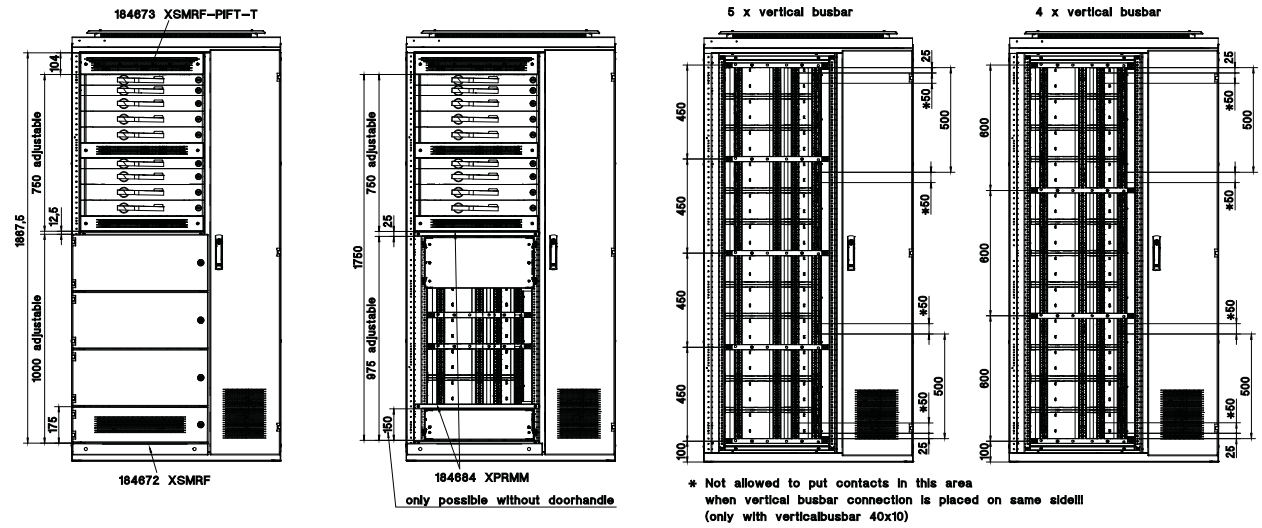
IP31



IP31



IP31

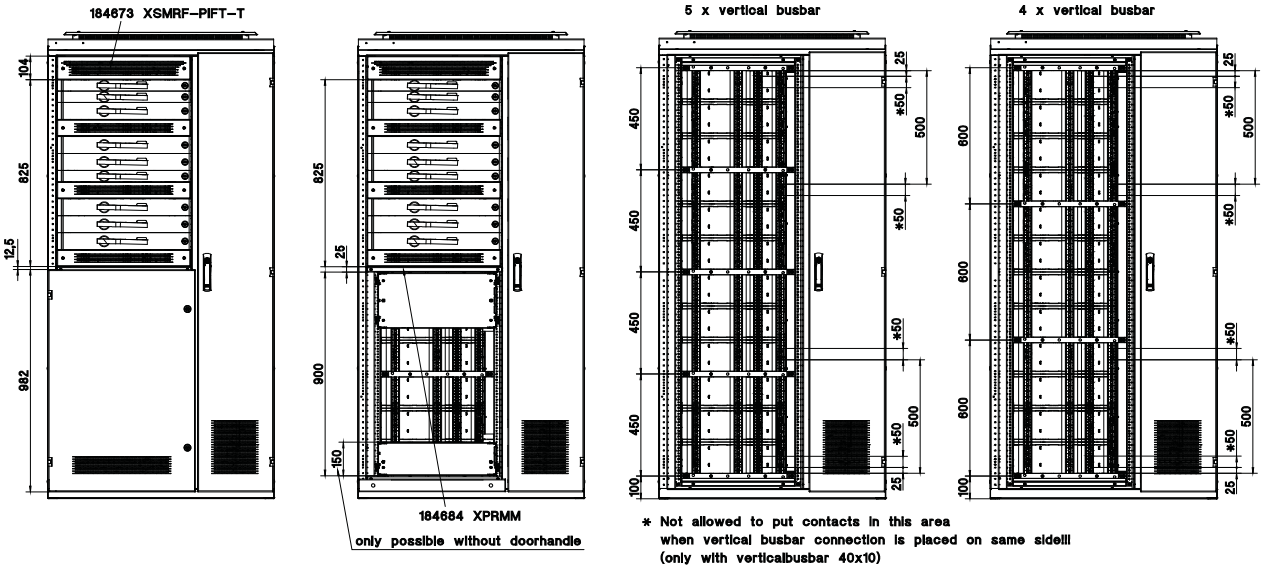


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Dimensions

Dimensions mixed setup with fitting frame D 0 (continued)

IP31

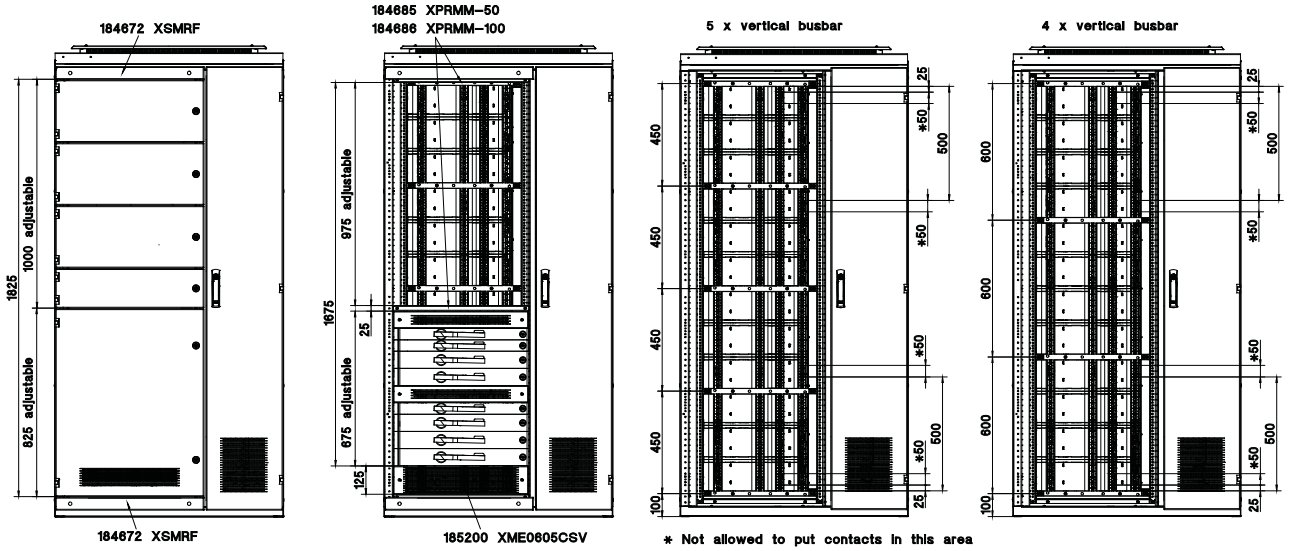


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Dimensions

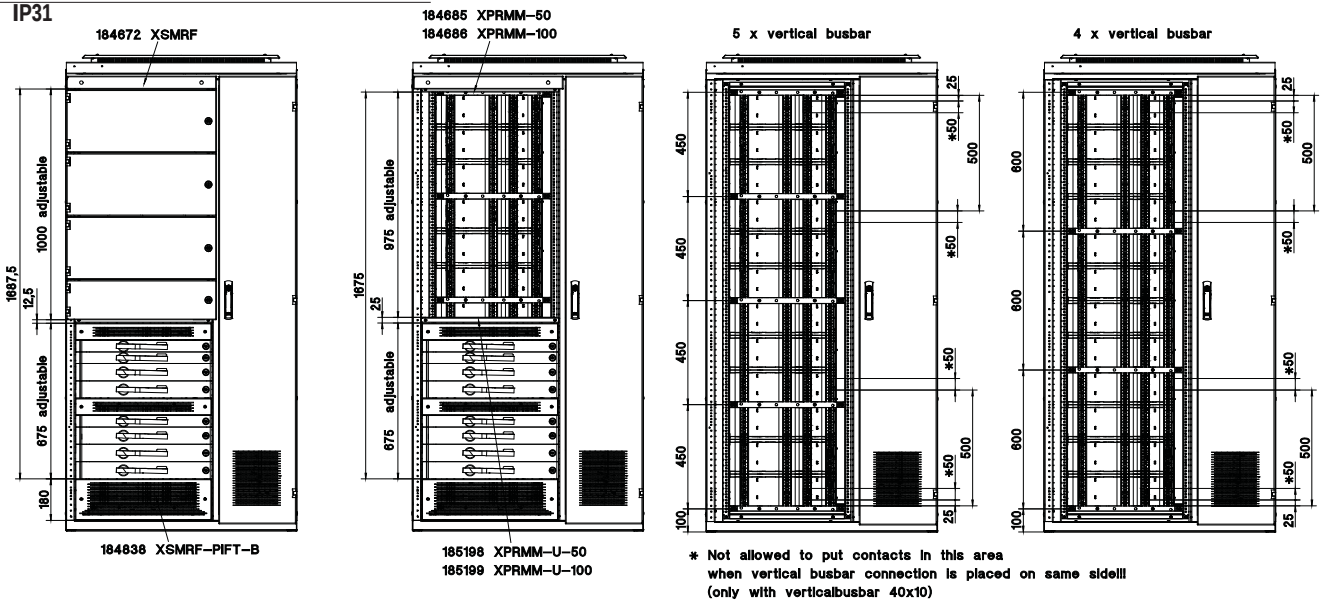
Dimensions mixed setup with fitting frame D -50 to D -125

IP31



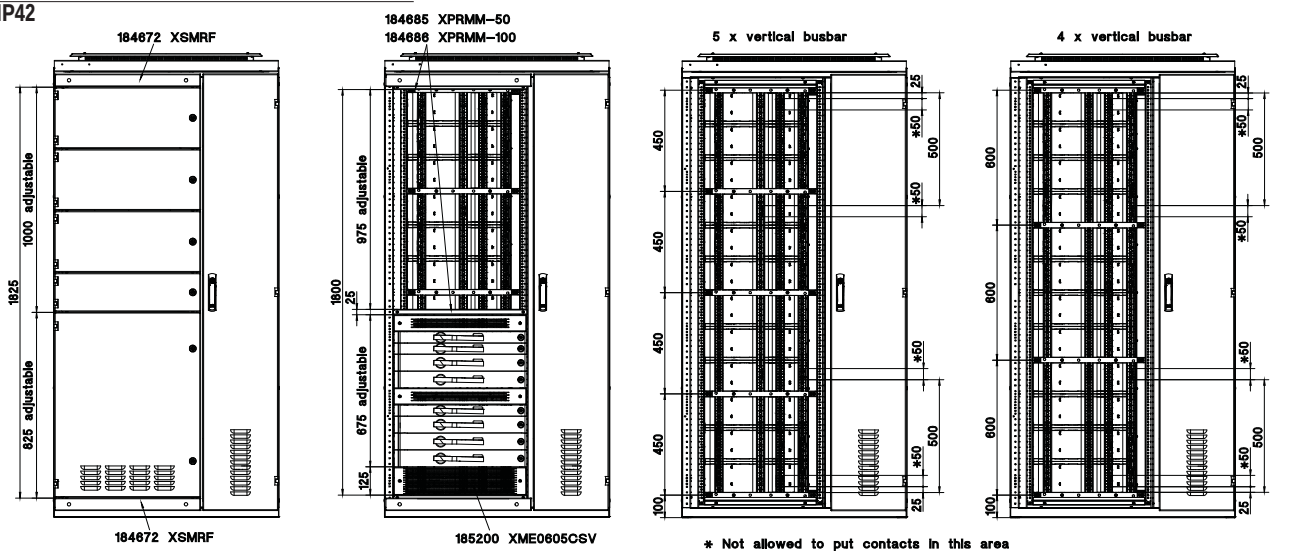
* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

IP31



* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

IP42



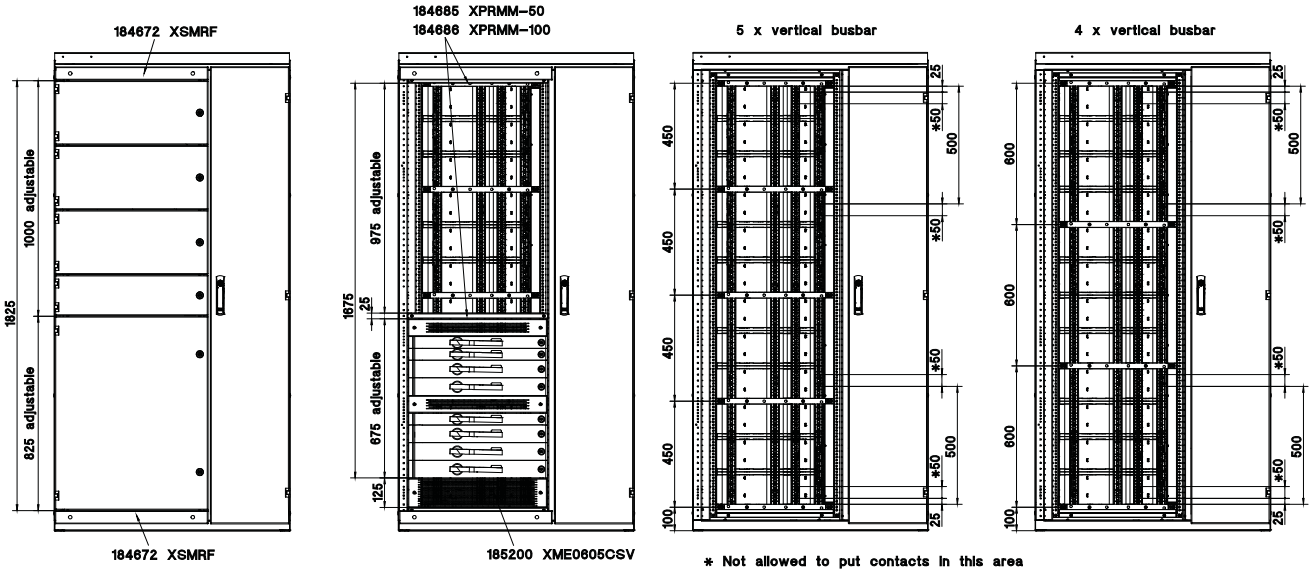
* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

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Dimensions

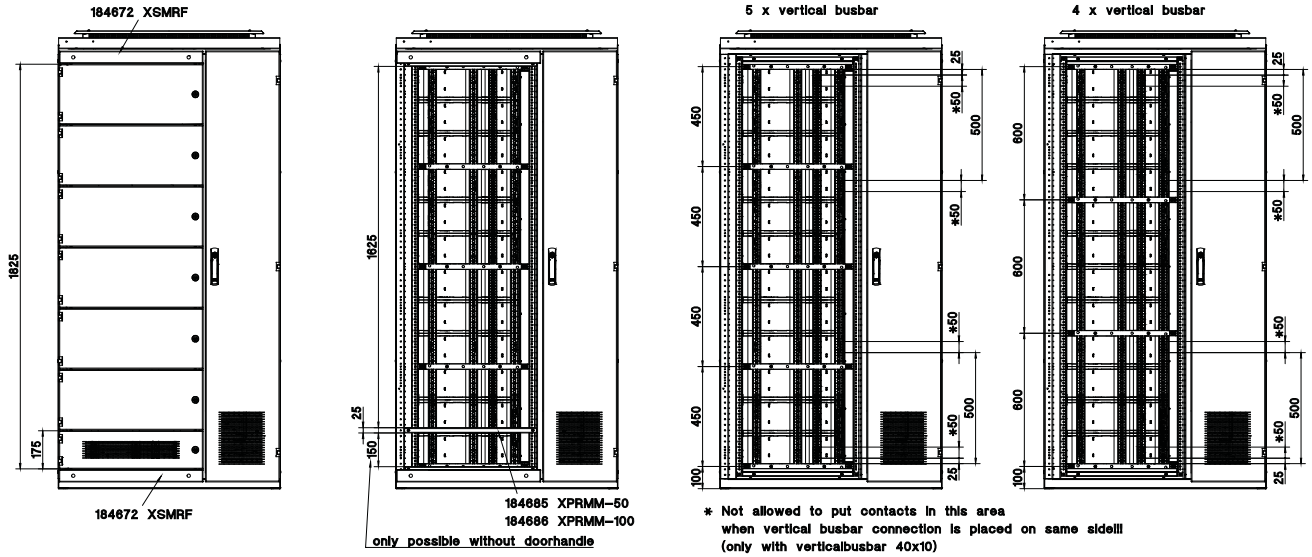
Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

IP55



* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!!! (only with verticalbusbar 40x10)

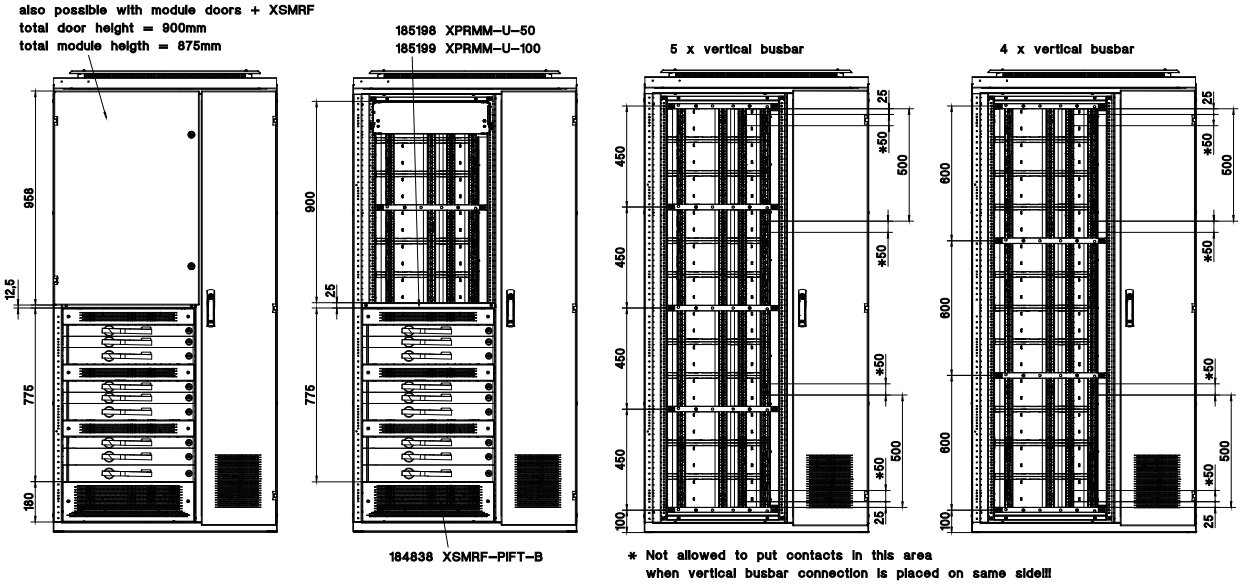
IP31



* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!!! (only with verticalbusbar 40x10)

IP31

also possible with module doors + XSMRF
total door height = 900mm
total module heigth = 875mm



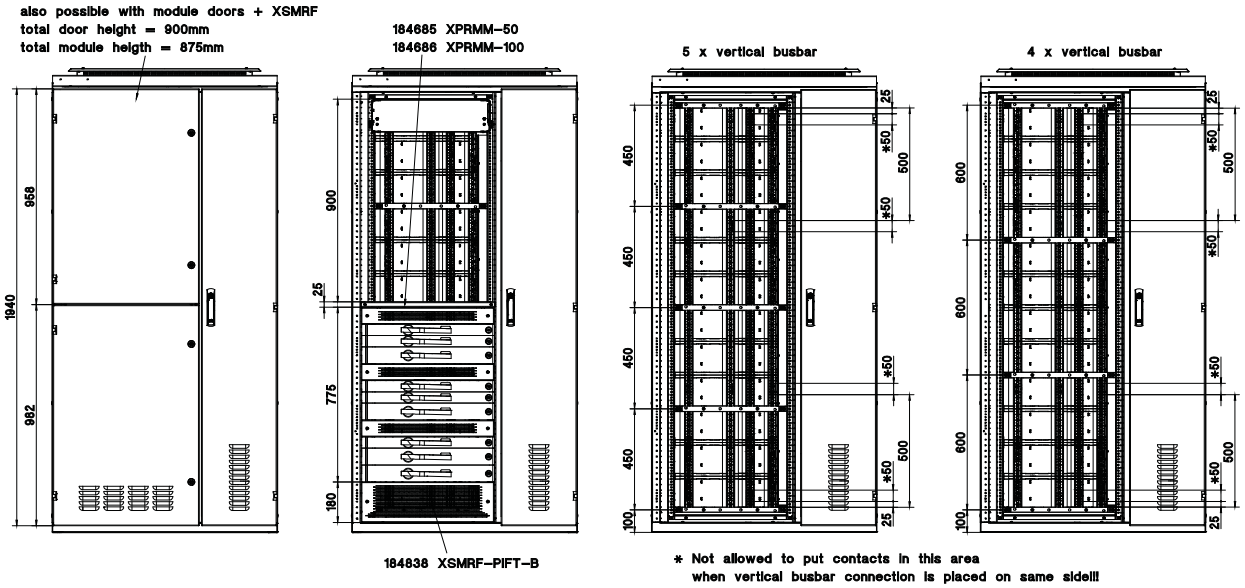
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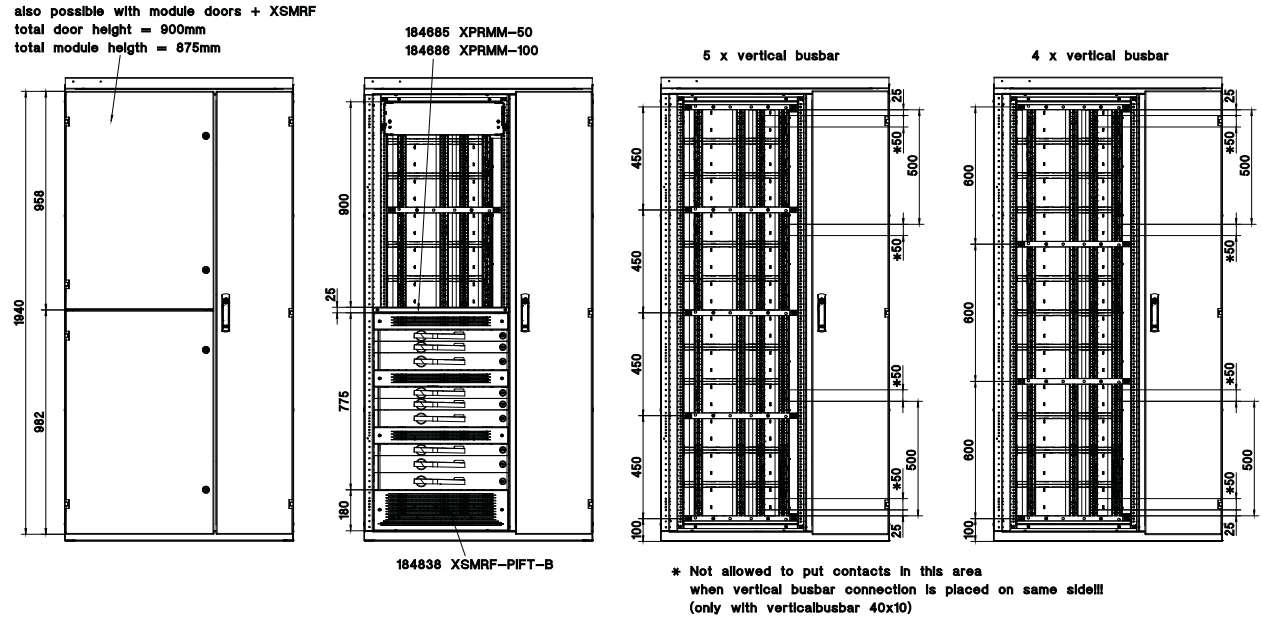
Dimensions

Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

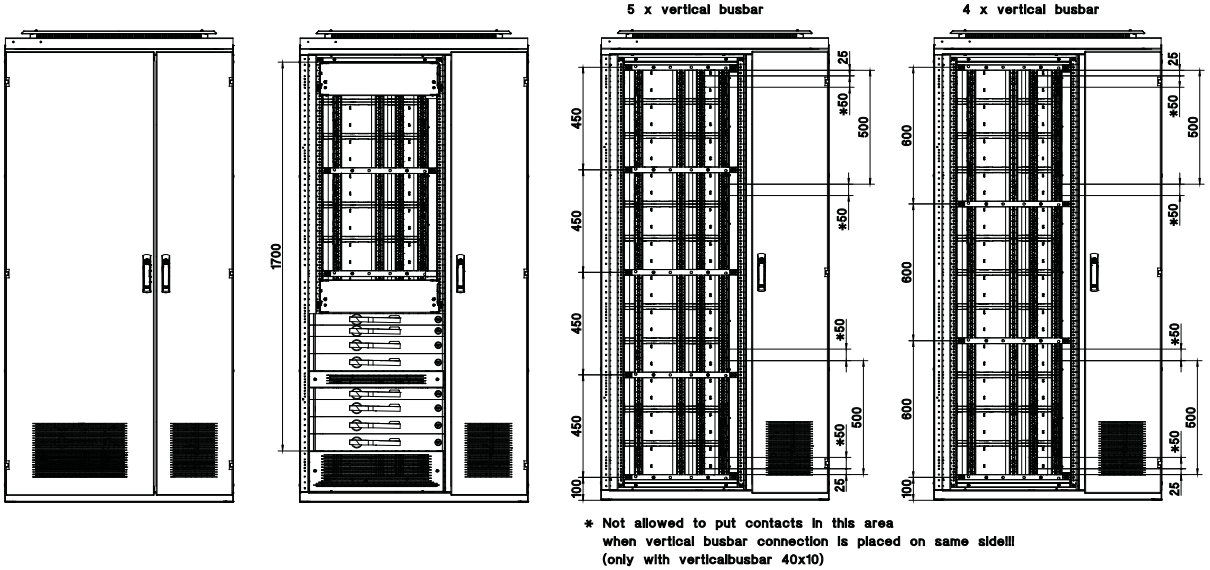
IP42



IP55



IP31

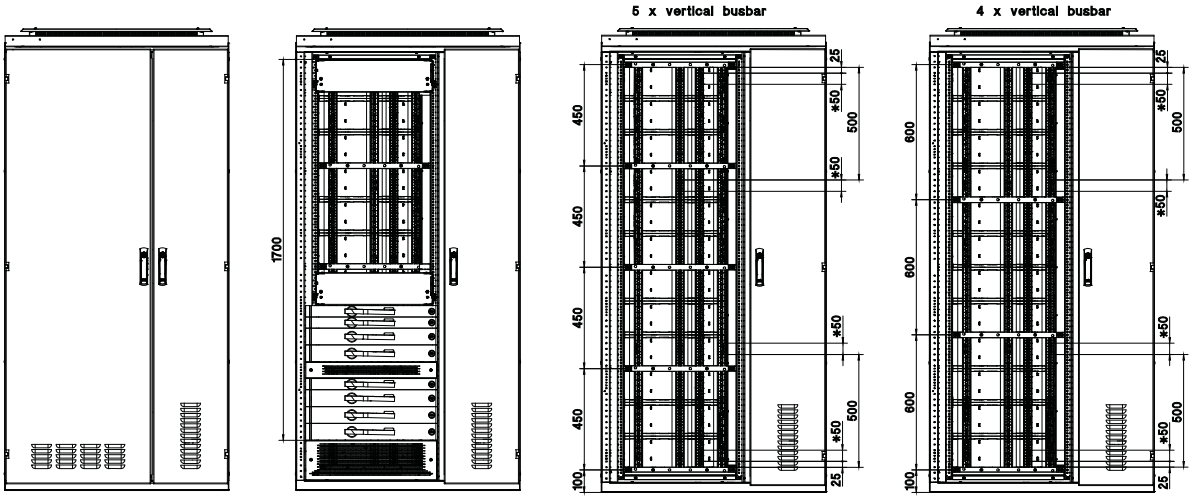


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Dimensions

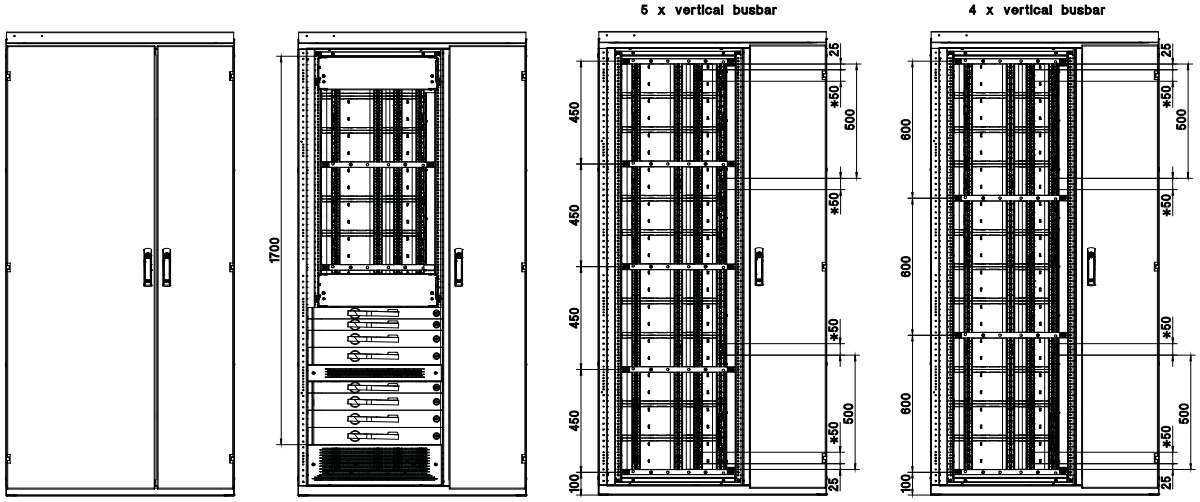
Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

IP42



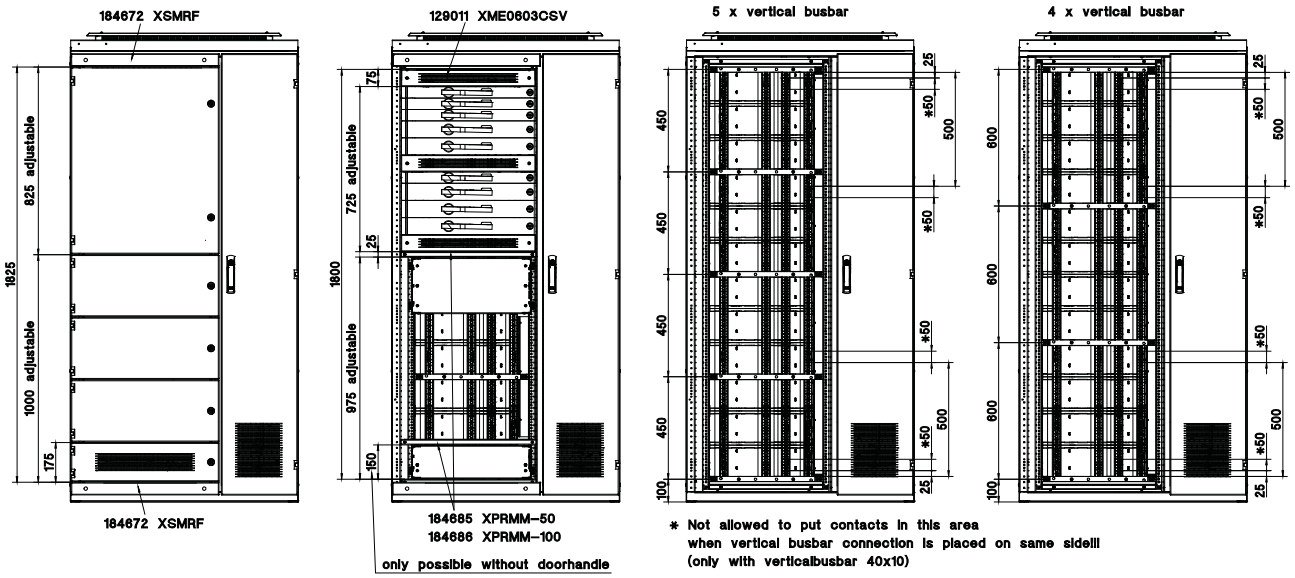
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IP55



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IP31



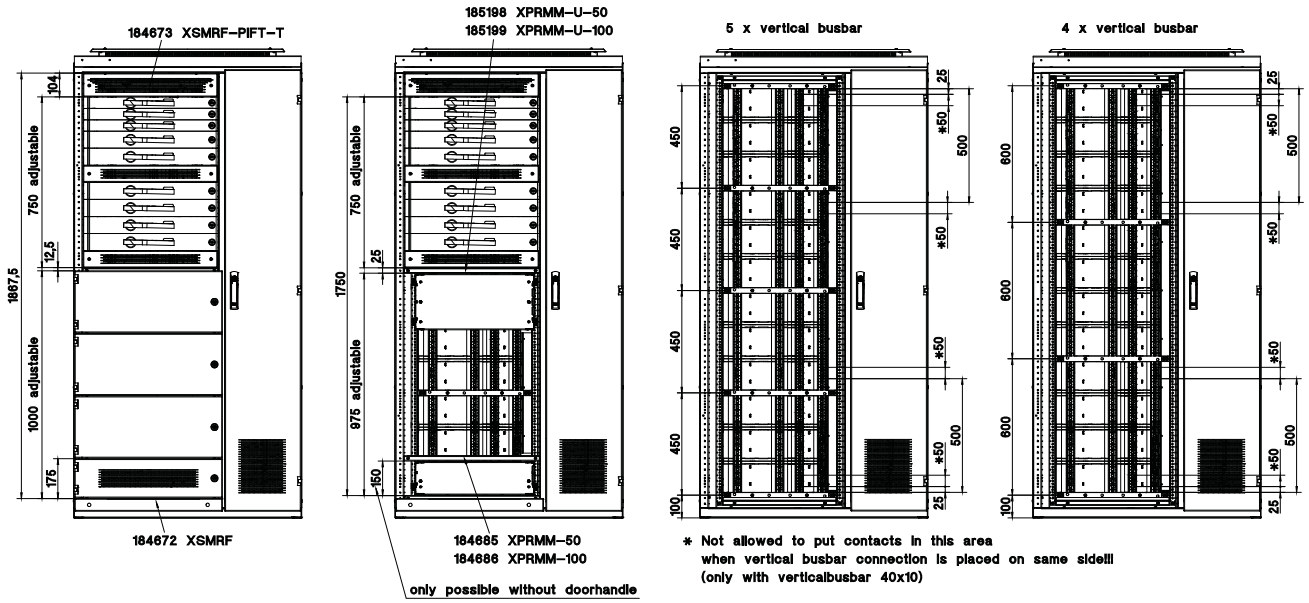
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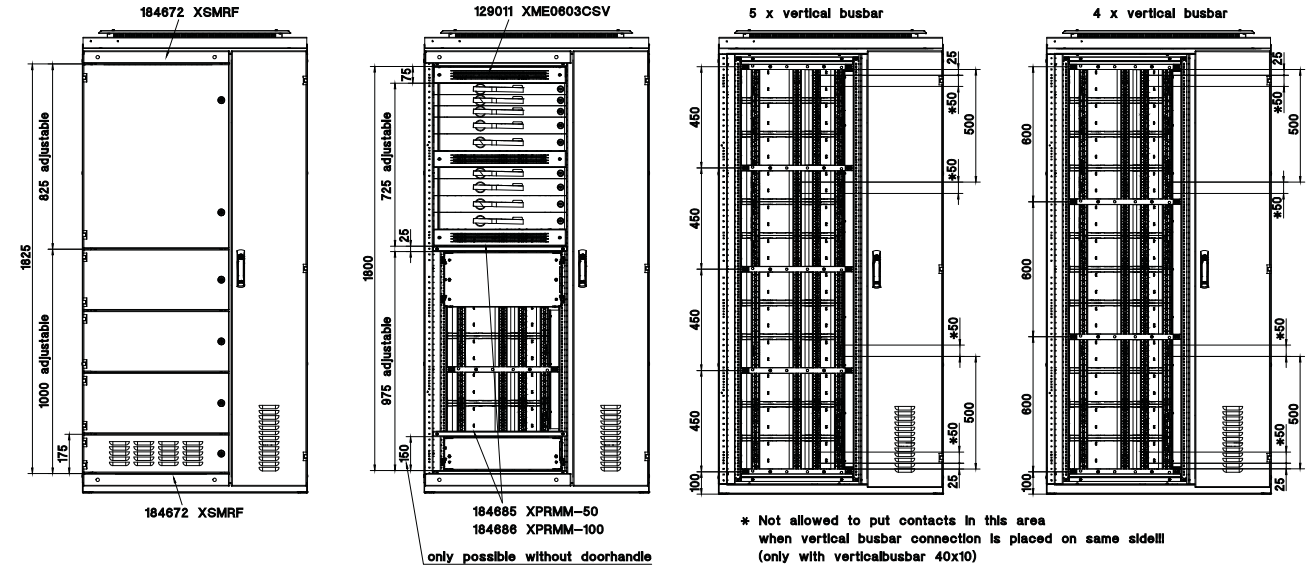
Dimensions

Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

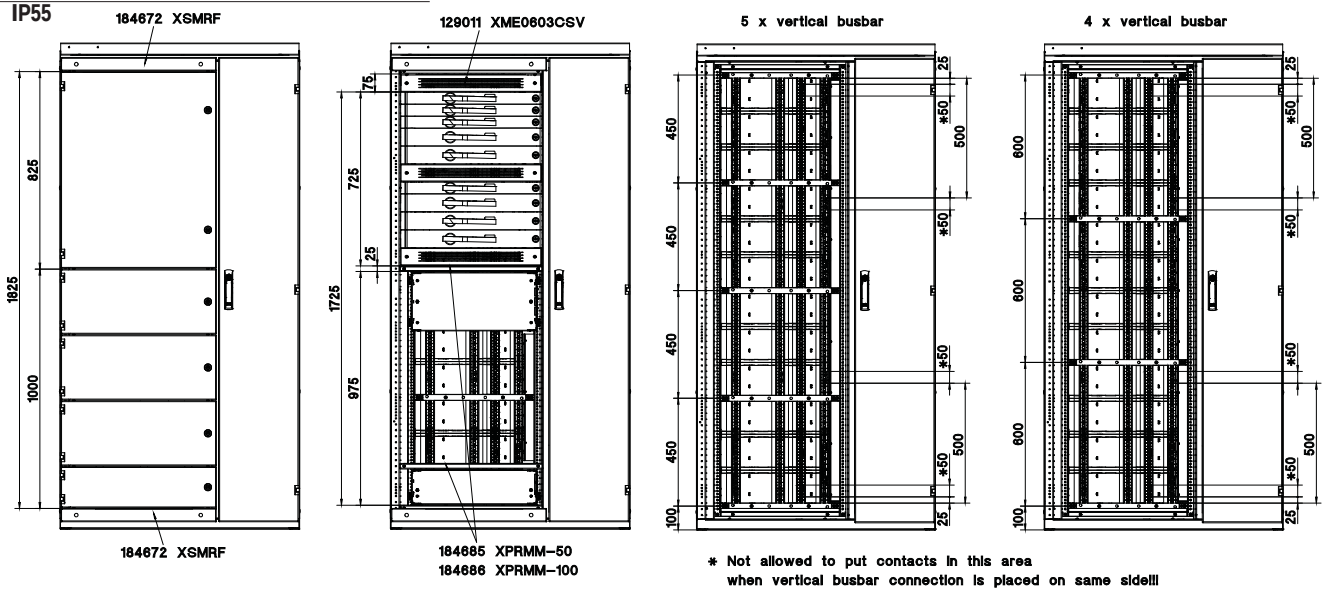
IP31



IP42



IP55

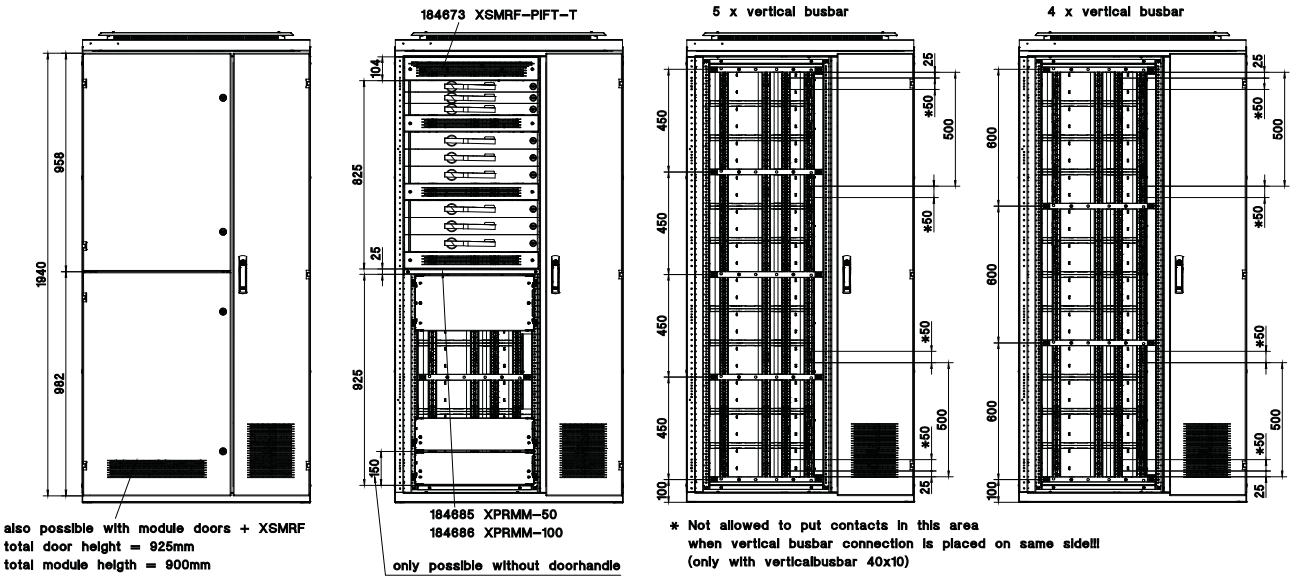


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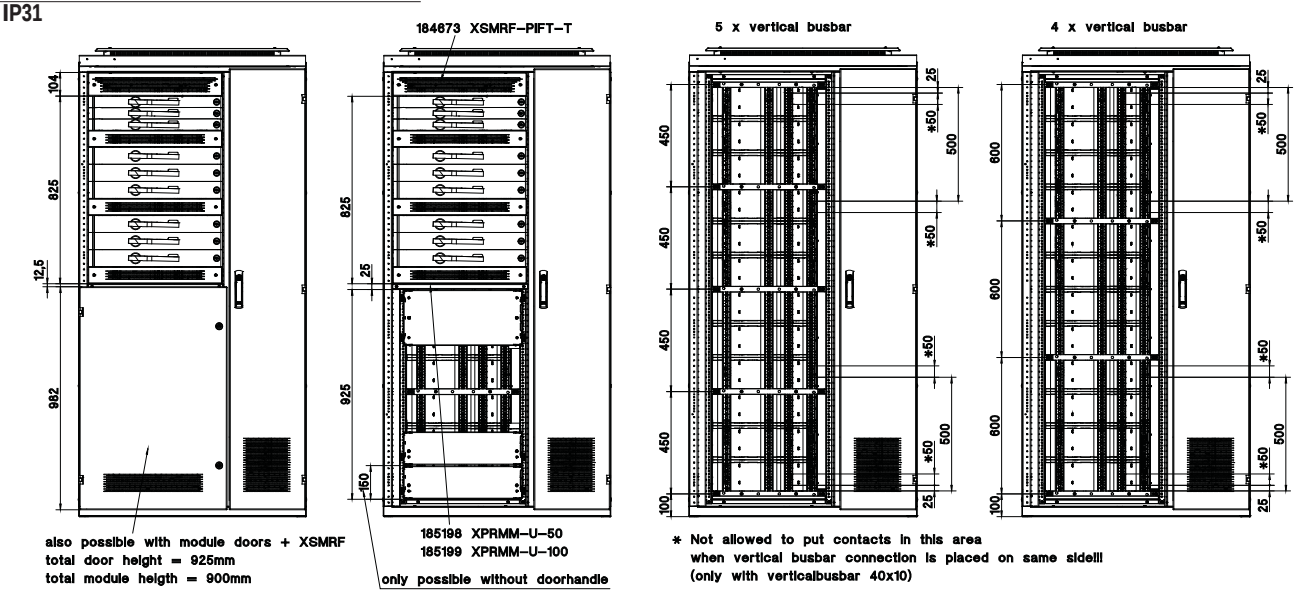
Dimensions

Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

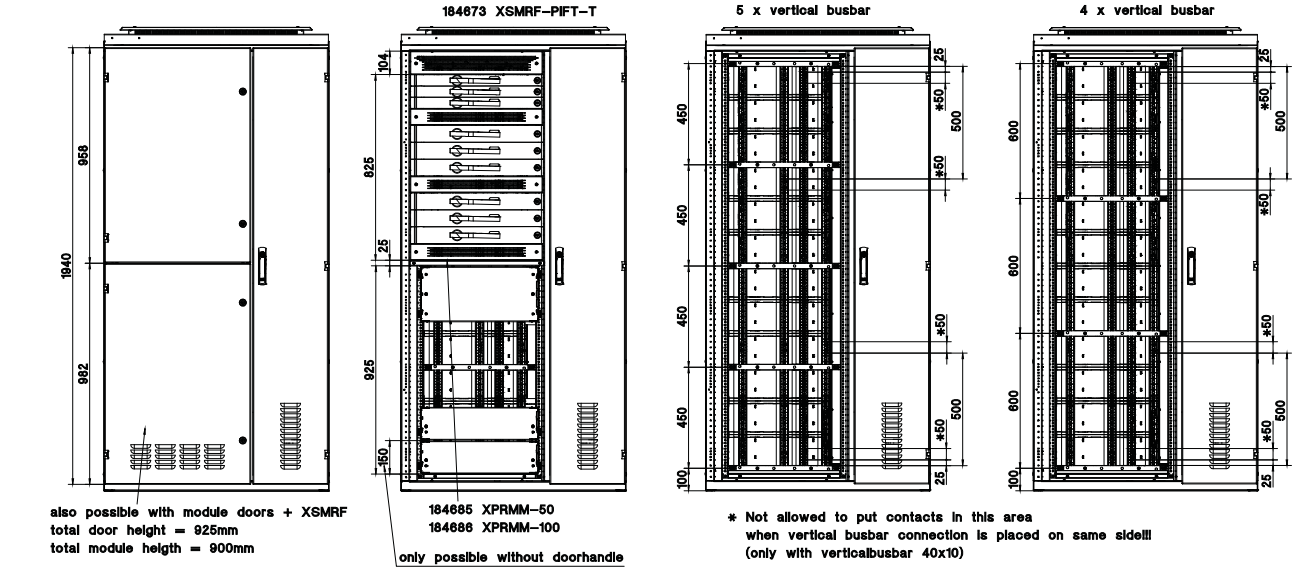
IP31



IP31



IP42

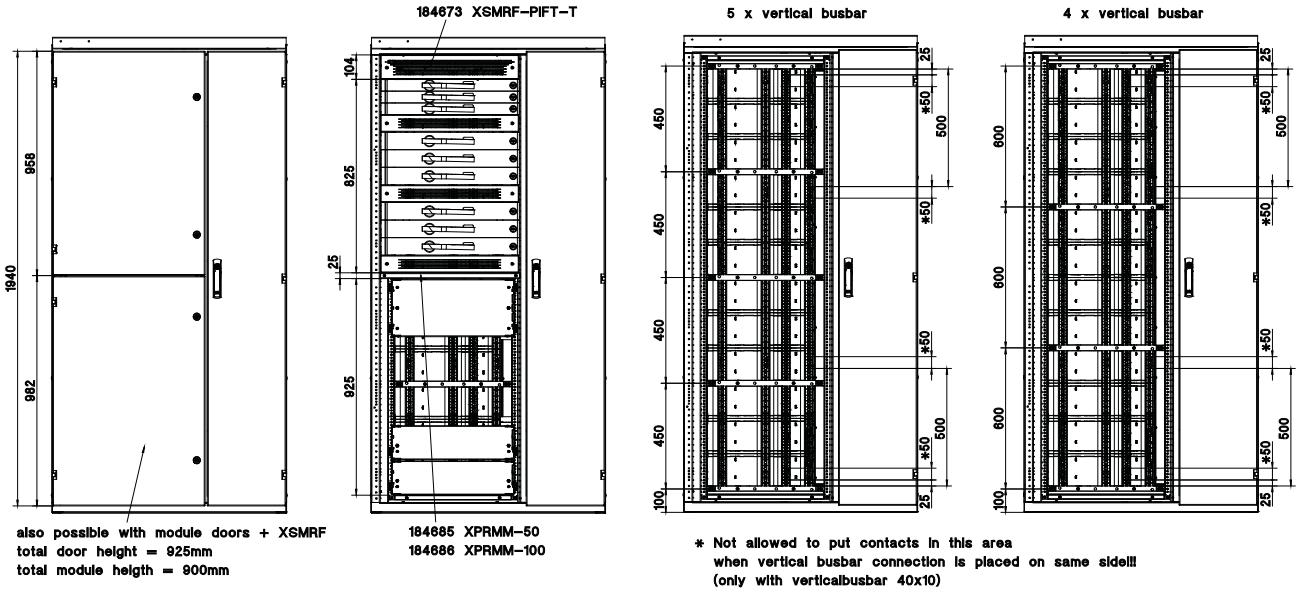


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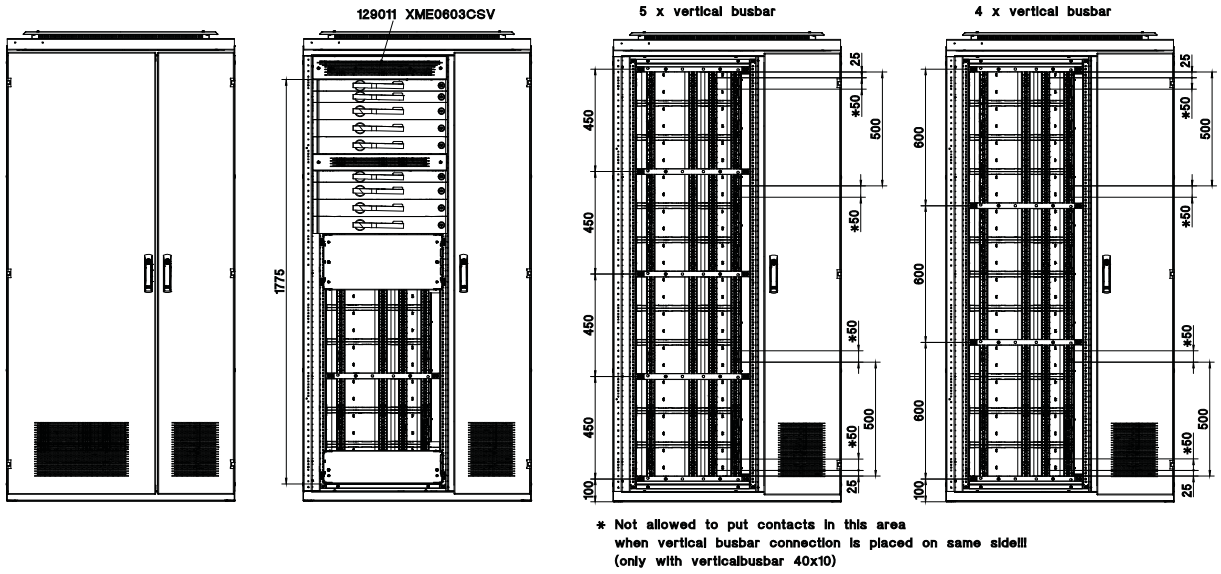
Dimensions

Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

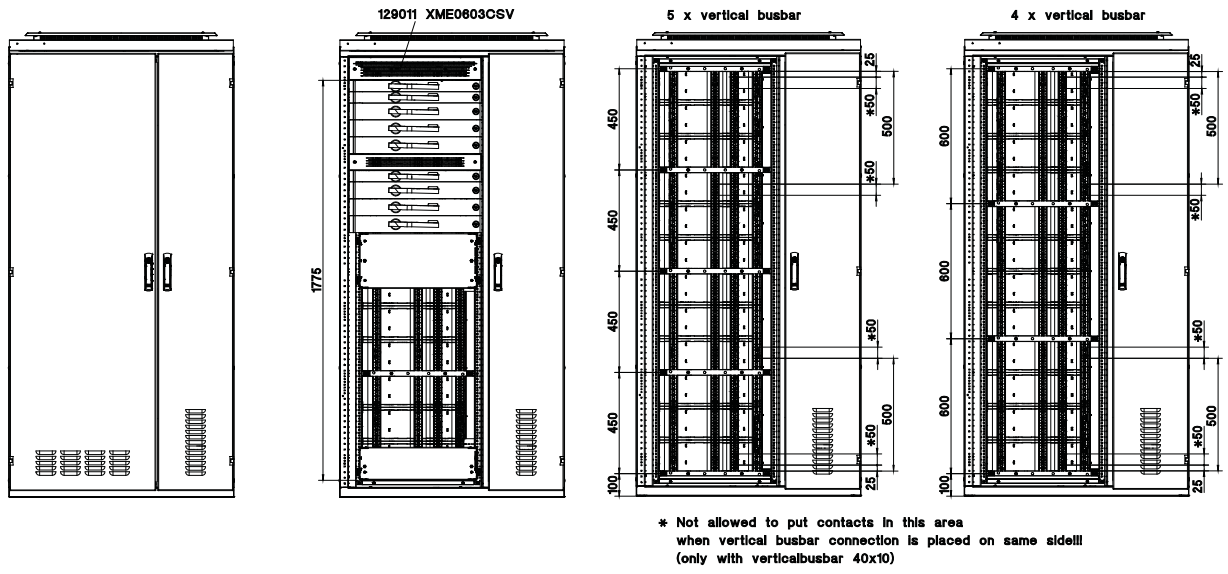
IP55



IP31



IP42

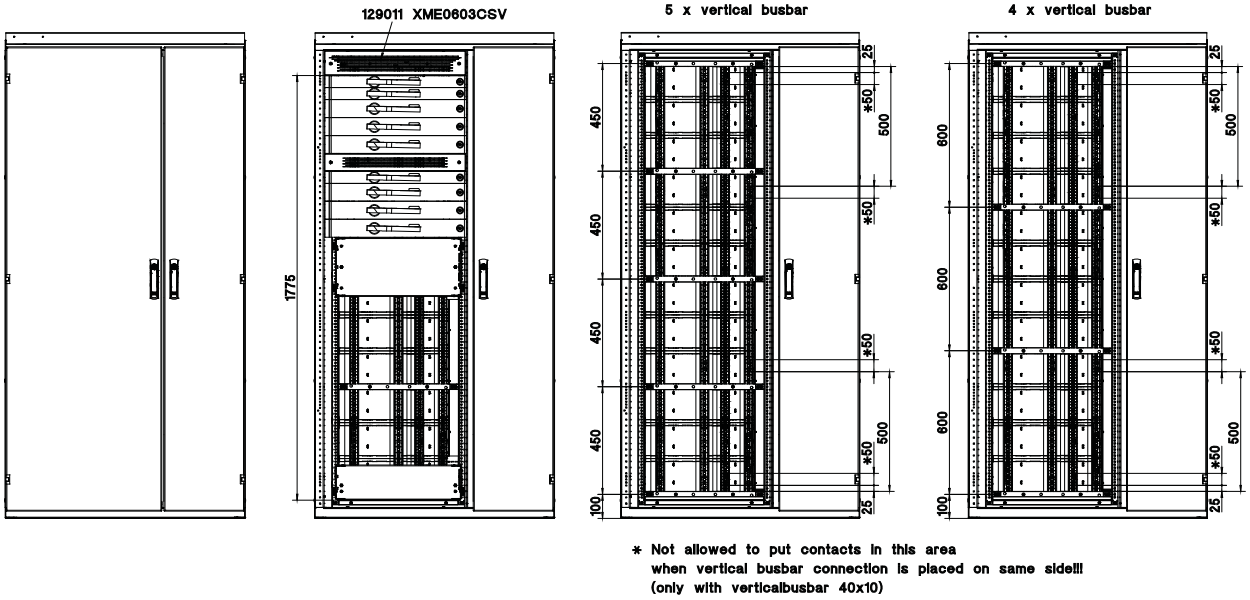


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Dimensions

Dimensions mixed setup with fitting frame D -50 to D -125 (continued)

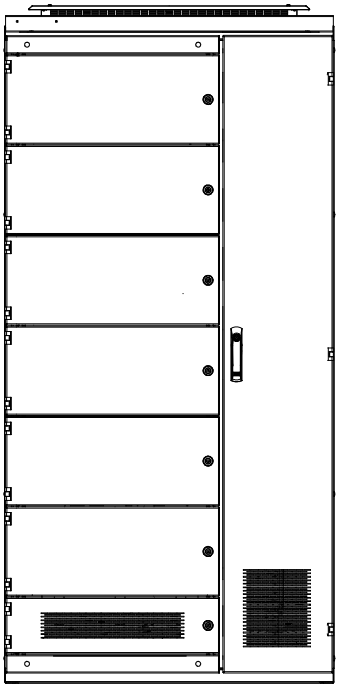
IP55



* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!!! (only with verticalbusbar 40x10)

XR Outgoing Sections

Pure setup – fixed /removable design modules



XR_mixed_nur_Steck

Switchgear area:

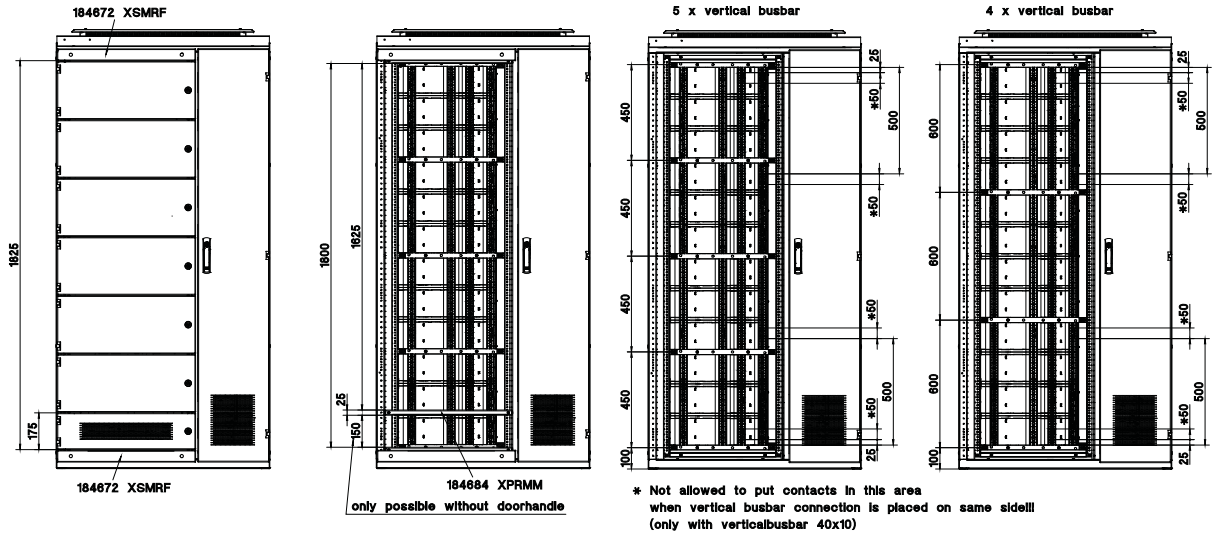
- Removable/fixed design modules can be mounted behind separate module doors (Form 4)
- If doors are mounted across modules, max. Form 2 can be accomplished
- If section doors as wide and high as the section are installed, the max. internal separation of Form 2 can be accomplished
- Arrangement/distribution of the modules can be done at your discretion
- Operation of the switchgear from outside or from behind the door is possible
- Rotary door coupling handles can optionally be integrated into the module doors.
- Connection of all outgoing modules on the incoming side, on a vertically arranged dropper bar system, prepared for removable design with cover for electrical finger-safety.
- The dropper bars can be contacted from the front over the entire height through removable design modules (universal modules)
- Total switchgear/fitting area: max. 1825 mm
- Pay attention to the ventilation concept according to the table in the Ordering Section!!

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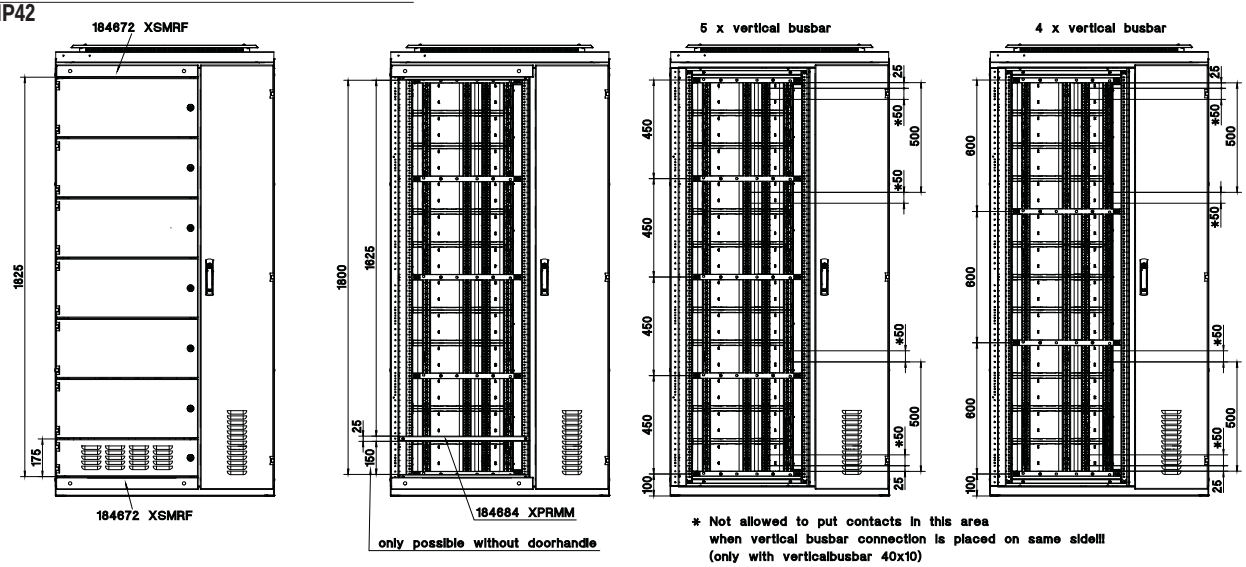
Dimensions

Dimensions pure setup with fitting frame D 0

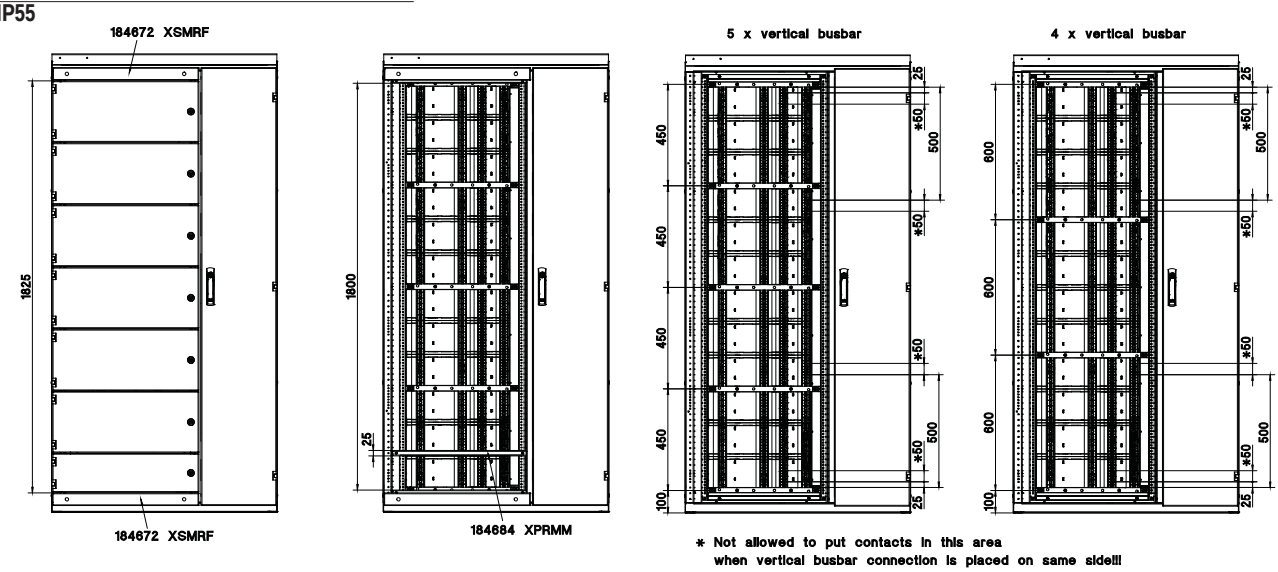
IP31



IP42



IP55

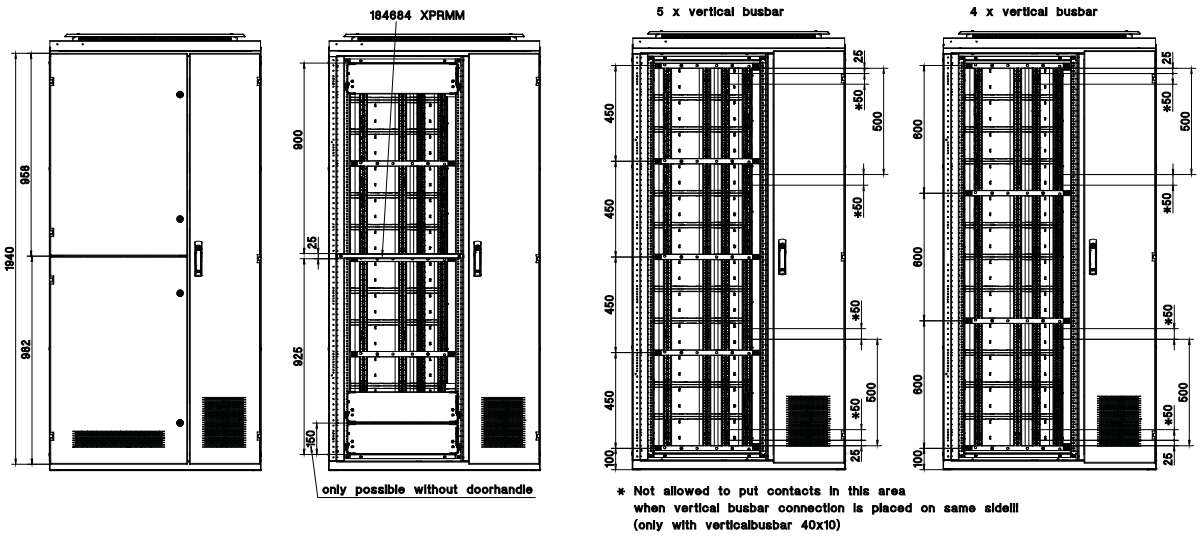


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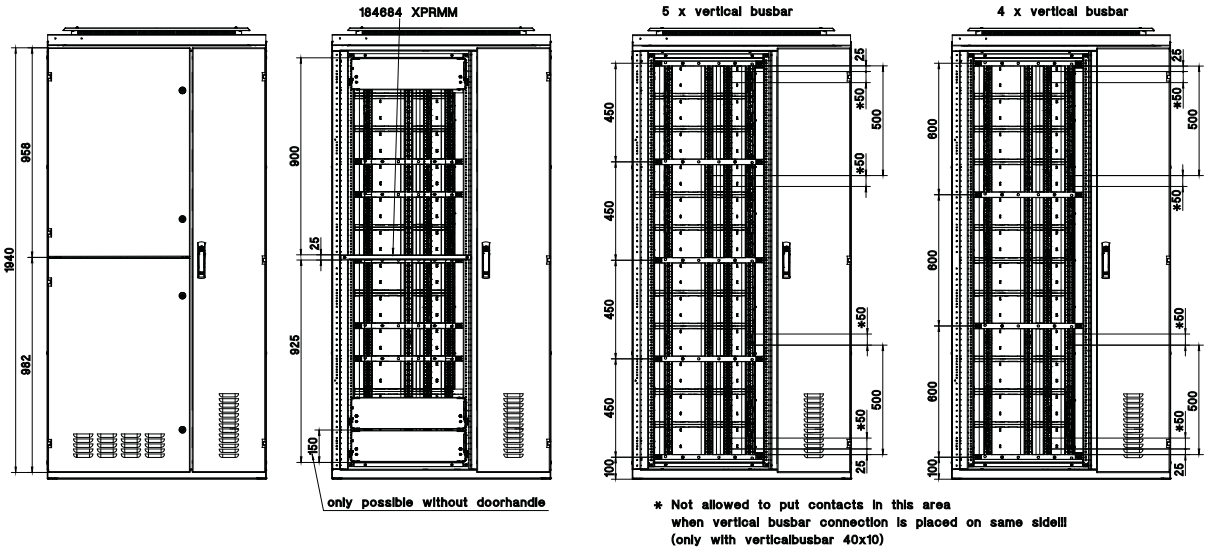
Dimensions

Dimensions pure setup with fitting frame D 0 (continued)

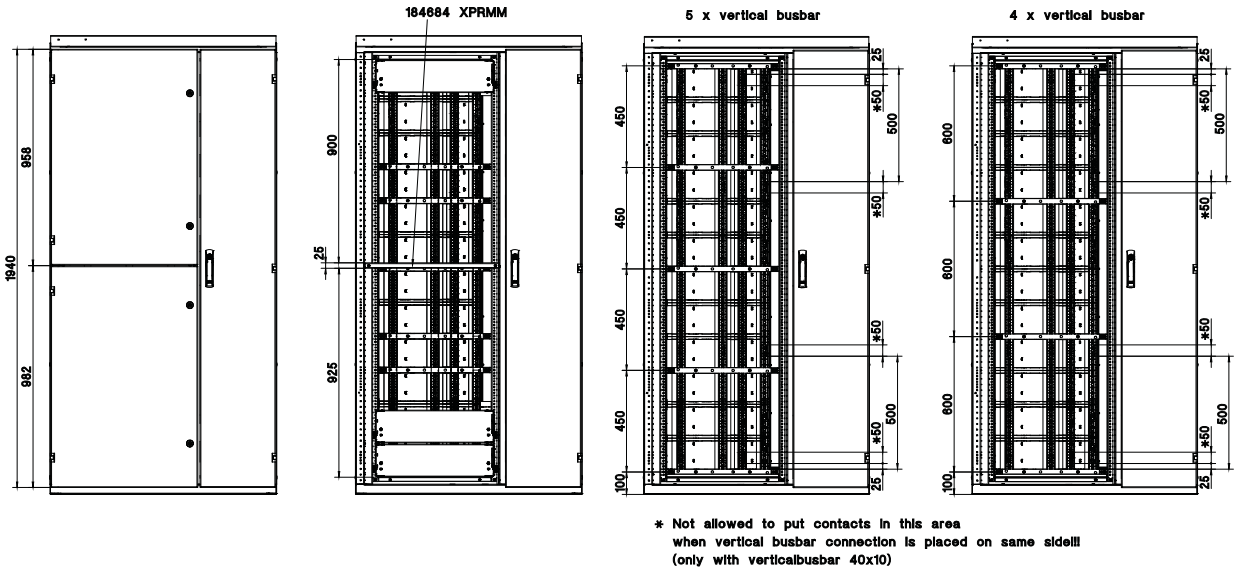
IP31



IP42



IP55

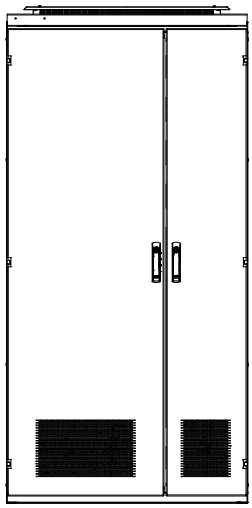


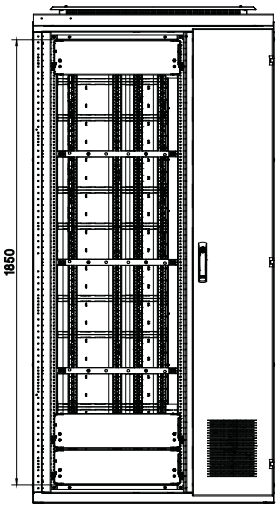
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Dimensions

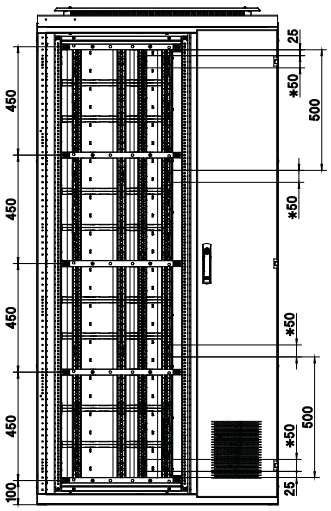
Dimensions pure setup with fitting frame D 0 (continued)

IP31

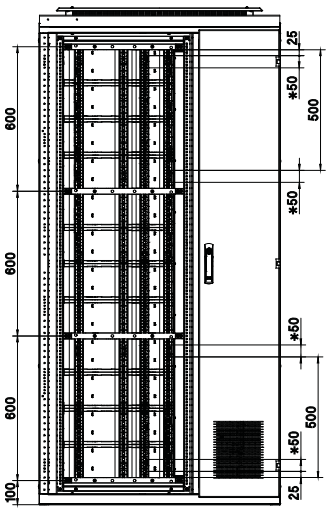




5 x vertical busbar

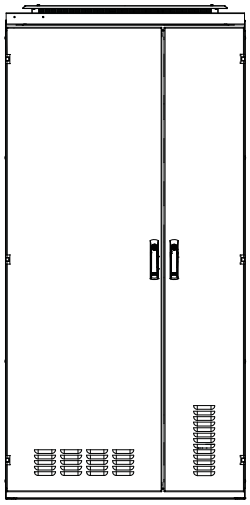


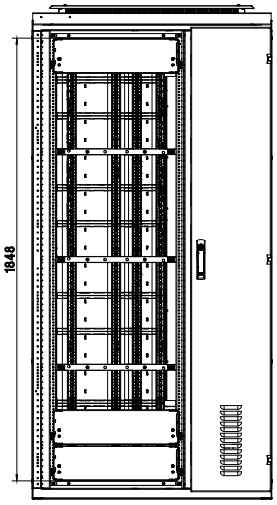
4 x vertical busbar



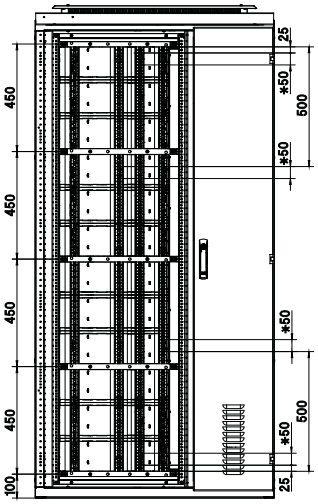
* Not allowed to put contacts in this area
when vertical busbar connection is placed on same side!!
(only with verticalbusbar 40x10)

IP42

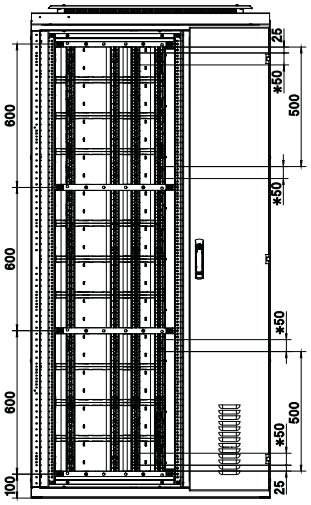




5 x vertical busbar

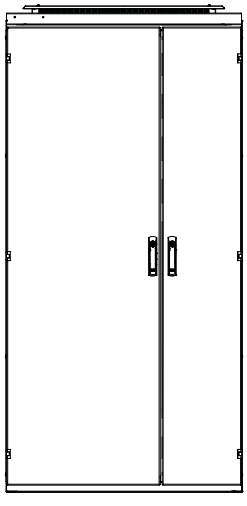


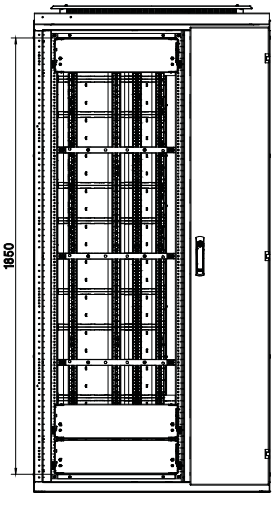
4 x vertical busbar



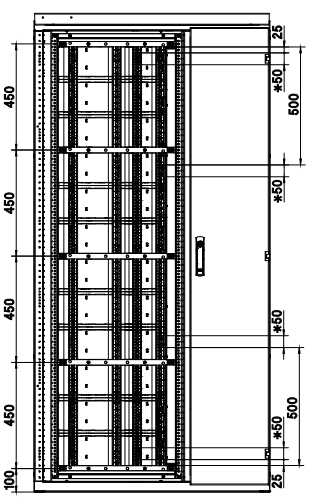
* Not allowed to put contacts in this area
when vertical busbar connection is placed on same side!!
(only with verticalbusbar 40x10)

IP55

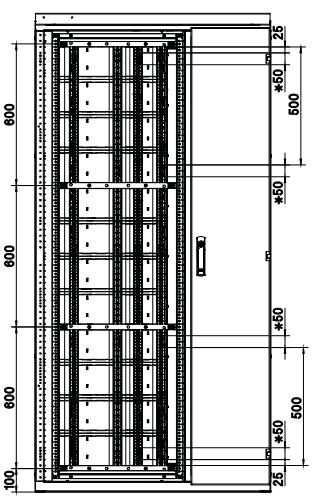




5 x vertical busbar



4 x vertical busbar



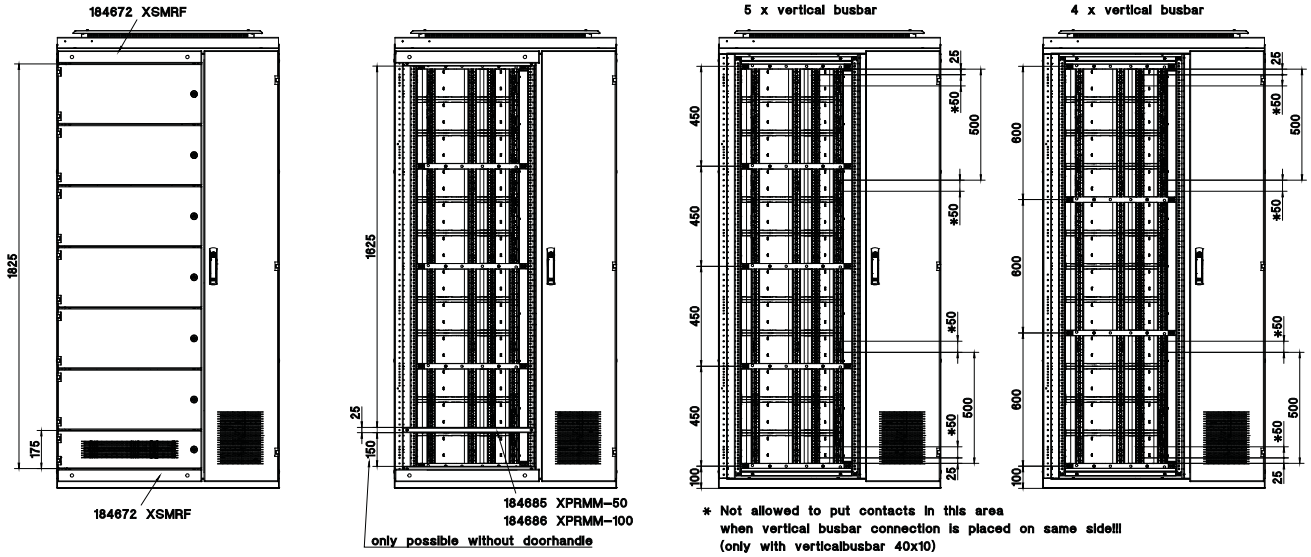
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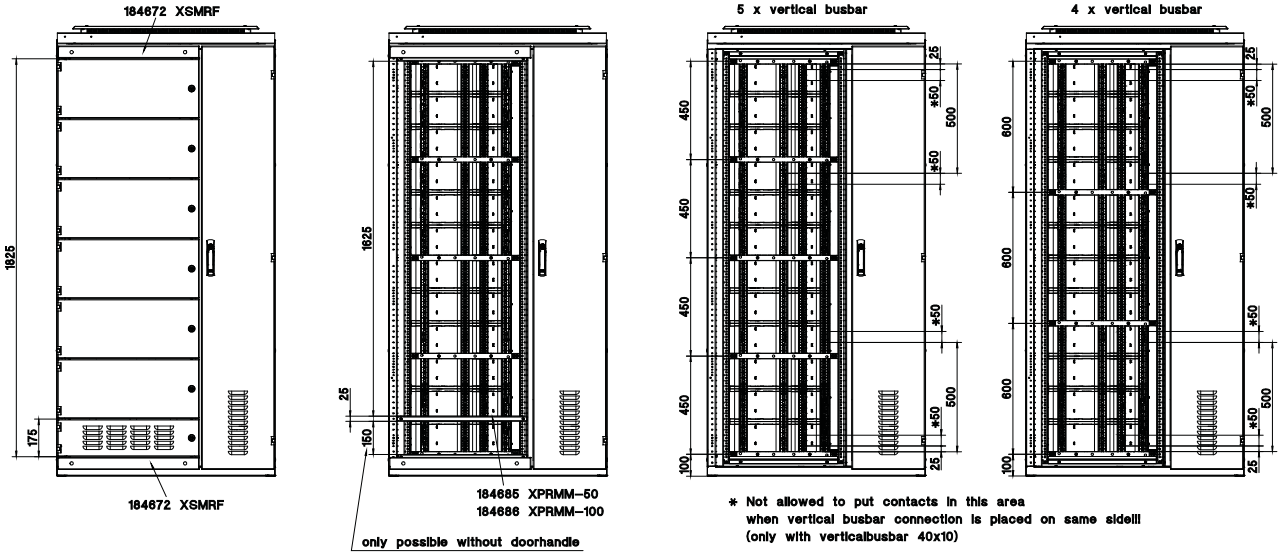
Dimensions

Dimensions pure setup with fitting frame D -50 to D -125

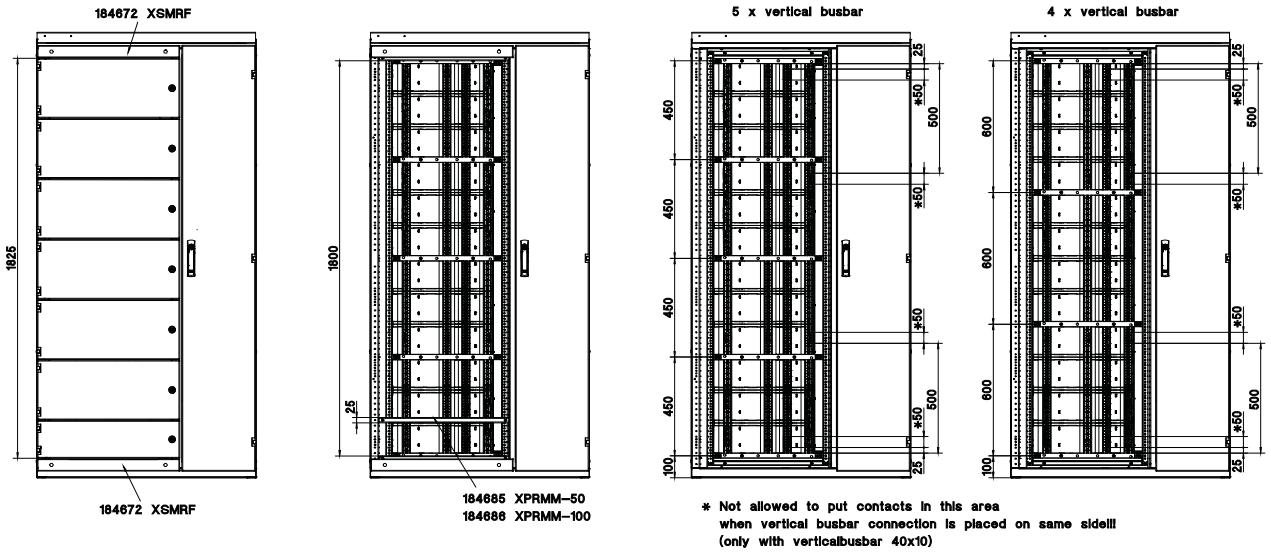
IP31



IP42



IP55

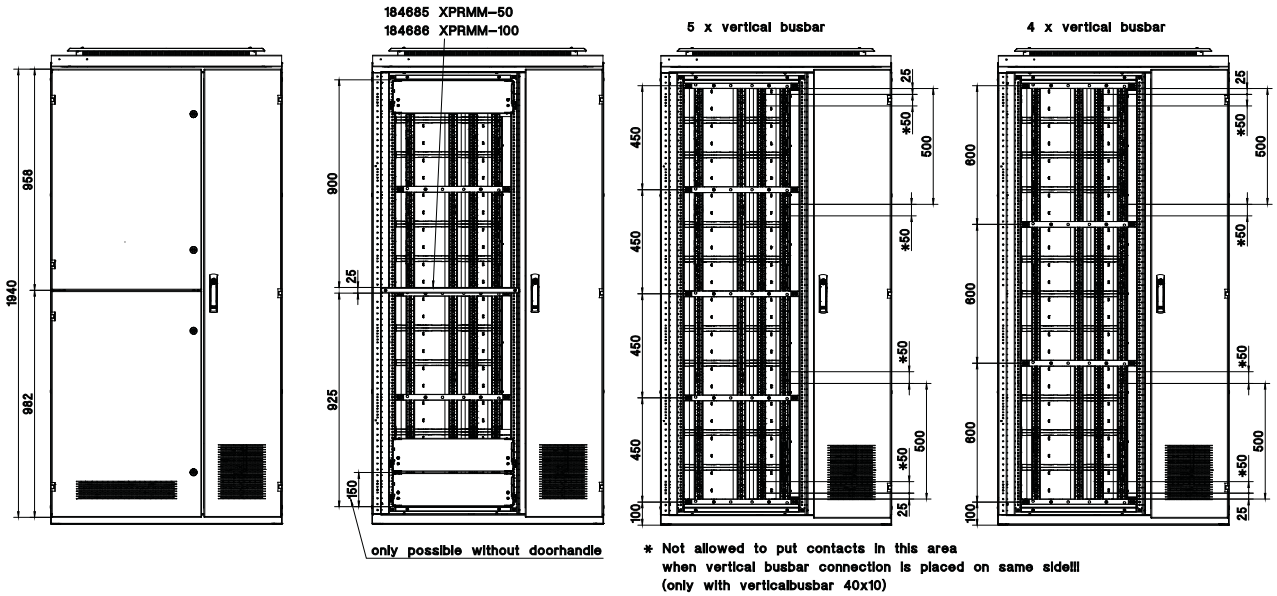


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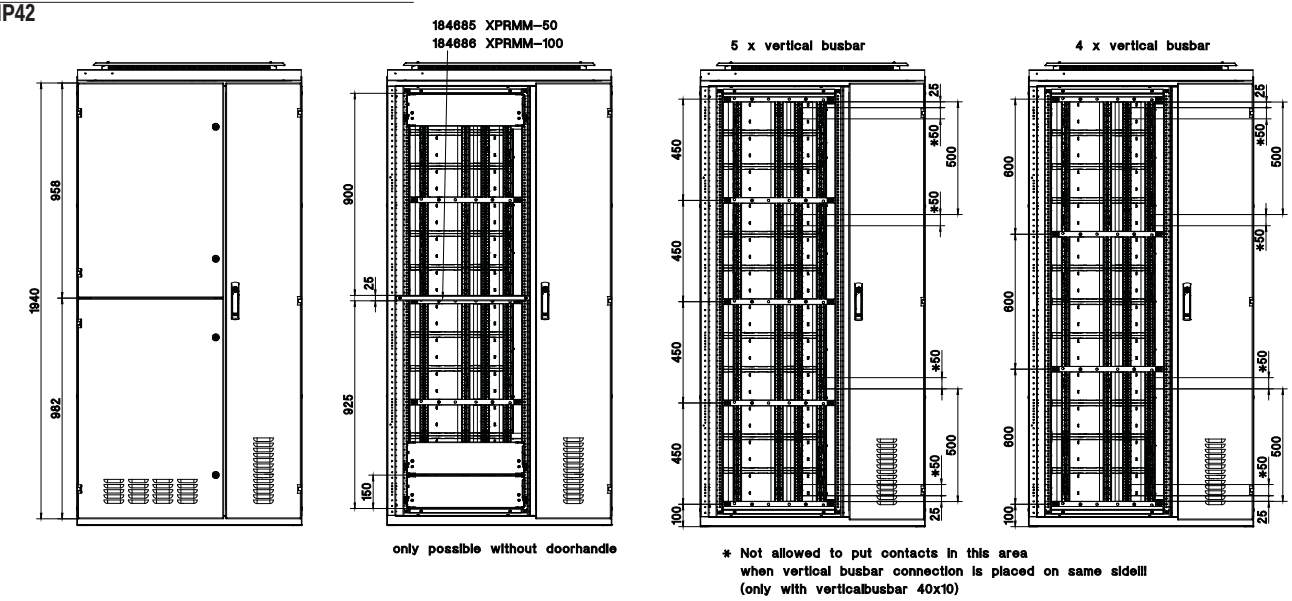
Dimensions

Dimensions pure setup with fitting frame D -50 to D -125 (continued)

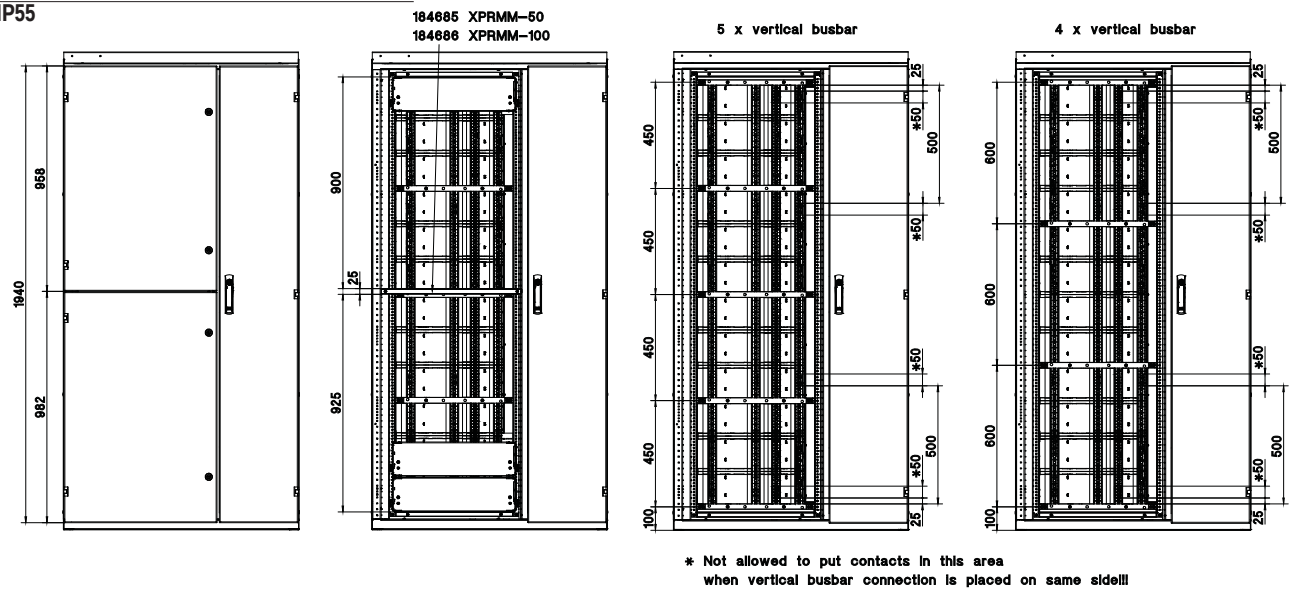
IP31



IP42



IP55

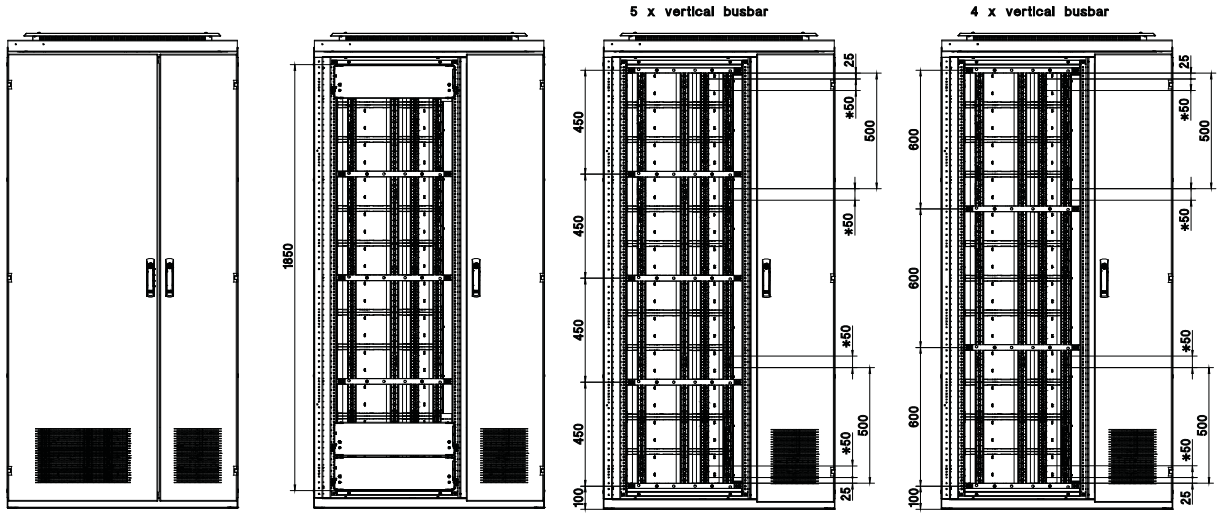


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Dimensions

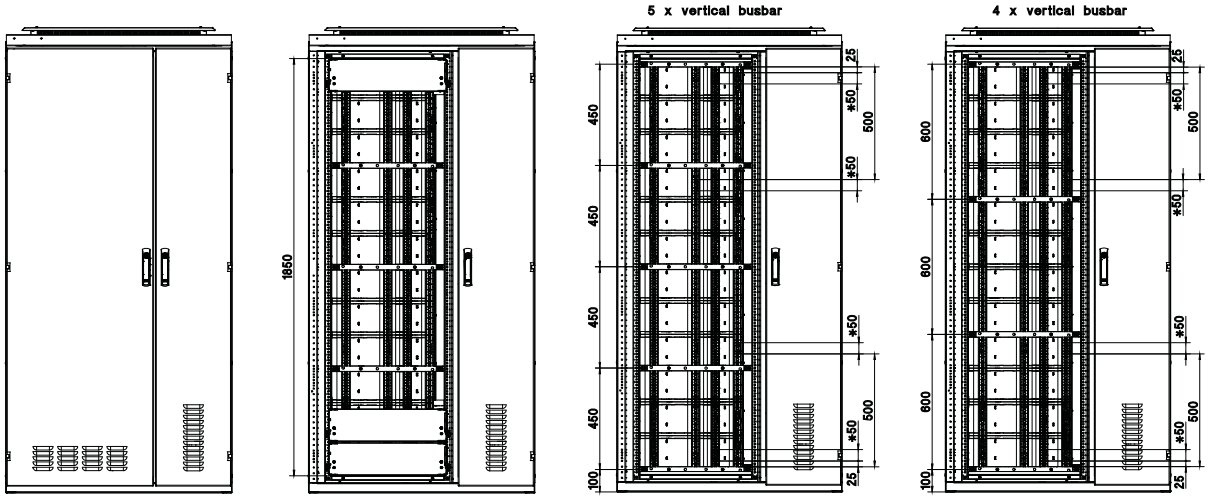
Dimensions pure setup with fitting frame D -50 to D -125 (continued)

IP31



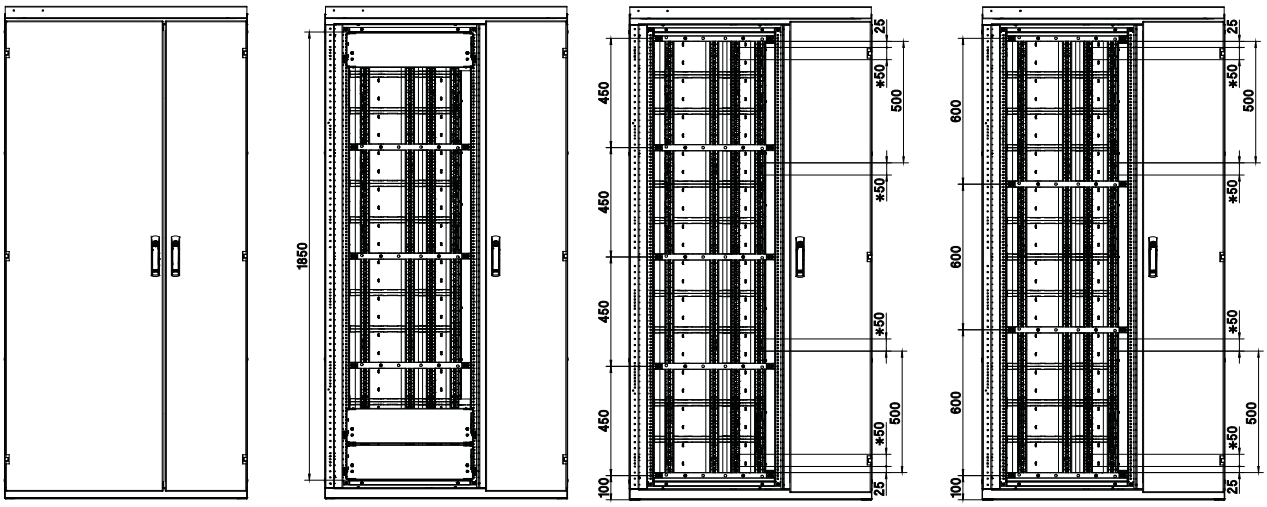
* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

IP42



* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

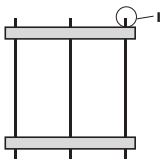
IP55

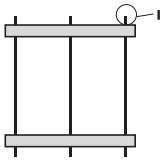


* Not allowed to put contacts in this area when vertical busbar connection is placed on same side!! (only with verticalbusbar 40x10)

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Short-circuit Strength for Busbars

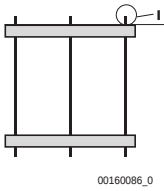
	Busbar	Busbar cross-section	Max. center-to-center distance of the busbar supports in mm for I_{cw} (1 s)				
	I_e		35 kA	45 kA	50 kA	65 kA	80 kA
	A	mm²	mm	mm	mm	mm	mm
Dropper bars							
 00160086_0	900	1 x 40 x 10	600	450	450	-	-
	1350	1 x 60 x 10	600	600	600	450	-
	1800	1 x 80 x 10	600	600	600	450	450

	Busbar	Busbar cross-section	Max. center-to-center distance of the busbar supports in mm for I_{cw} (3 s)				
	I_e		35 kA	45 kA	50 kA	65 kA	80 kA
	A	mm²	mm	mm	mm	mm	mm
Dropper bars							
 00160086_0	900	1 x 40 x 10	-	-	-	-	-
	1350	1 x 60 x 10	-	-	-	-	-
	1800	1 x 80 x 10	450	450	450	-	-

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Max. Current Load and Power Loss [Pv] for Busbars Dropper Bars

Flat copper for horizontally installed outgoing modules XR mixed with busbar holders XDSSV…, center-to-center distance of phases 185 mm



I_e to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Admitted continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
			25°C	35°C	50°C	25°C	35°C	50°C
A	mm^2		A	A	A	W/m	W/m	W/m
900	1 x 40 x 10	IP31 with ventilated top	950	900	825	55	50	42
		IP42 with ventilated top	950	900	825	55	50	42
		IP55	700	700	700	30	30	30
1350	1 x 60 x 10	IP31 with ventilated top	1425	1350	1237	85	76	64
		IP42 with ventilated top	1425	1350	1237	85	76	64
		IP55	1050	1050	1050	46	46	46
1800	1 x 80 x 10	IP31 with ventilated top	1900	1800	1650	117	105	88
		IP42 with ventilated top	1900	1800	1650	117	105	88
		IP55	1400	1400	1400	63	63	63

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Current Load Modules for Removable Design Modules

Breaker Size/Type	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31			**IP42**			**IP55**		
		25°C A	35°C A	50°C A	25°C A	35°C A	50°C A	25°C A	35°C A	50°C A
PKZM0-32	1	33	31	17	33	31	17	24	23	14
PKZM0-32	3	33	31	17	33	31	17	24	23	14
PKZM0-32	5	32	30	17	32	30	17	24	23	14
PKZM0-32	7	32	30	17	32	30	17	23	22	14
PKZM0-32	10	32	30	16	32	30	16	23	22	13
PKZM0-32	20	31	29	16	31	29	16	22	21	13
PKZM0-32	30	29	27	15	29	27	15	21	20	12
PKZM0-32	40	28	26	15	28	26	15	20	19	12
PKZM0-32	50	27	25	14	27	25	14	19	18	11
PKZM0-32	100	19	18	11	19	18	11	14	13	8
PKZM4-50	1	45	42	38	45	42	38	38	36	28
PKZM4-50	3	45	42	38	45	42	38	37	35	28
PKZM4-50	5	43	41	37	43	41	37	37	35	27
PKZM4-50	7	43	41	37	43	41	37	37	35	27
PKZM4-50	10	42	40	36	42	40	36	36	34	27
PKZM4-50	20	41	39	35	41	39	35	34	32	25
PKZM4-50	30	39	37	33	39	37	33	32	30	24
PKZM4-50	40	38	36	32	38	36	32	31	29	22
PKZM4-50	50	36	34	30	36	34	30	28	28	21
PKZM4-50	100	19	18	17	19	18	17	14	14	14
PKE32	1	34	32	20	34	32	20	23	22	16
PKE32	3	34	32	20	34	32	20	23	22	16
PKE32	5	33	31	20	33	31	20	23	22	16
PKE32	7	33	31	19	33	31	19	22	21	16
PKE32	10	33	31	19	33	31	19	22	21	15
PKE32	20	32	30	18	32	30	18	21	20	15
PKE32	30	30	28	18	30	28	18	21	20	14
PKE32	40	29	27	17	29	27	17	20	19	14
PKE32	50	28	26	16	28	26	16	19	18	13
PKE32	100	19	18	12	19	18	12	14	14	10
PKE65	1	69	65	54	69	65	54	48	45	42
PKE65	3	68	64	53	68	64	53	47	44	41
PKE65	5	67	63	52	67	63	52	47	44	41
PKE65	7	66	62	51	66	62	51	46	43	40
PKE65	10	65	61	50	65	61	50	46	43	40
PKE65	20	59	56	47	59	56	47	42	40	38
PKE65	30	55	52	43	55	52	43	40	38	35
PKE65	40	48	45	39	48	45	39	35	35	33
PKE65	50	38	36	33	38	36	33	28	28	28
PKE65	100	19	18	17	19	18	17	14	14	14

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Current Load Modules for Removable Design Modules

Breaker Size/Type	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31			**IP42**			**IP55**		
		25°C A	35°C A	50°C A	25°C A	35°C A	50°C A	25°C A	35°C A	50°C A
NZM1	1	134	126	93	134	126	93	119	112	70
NZM1	3	129	122	90	129	122	90	112	106	66
NZM1	5	127	120	88	127	120	88	108	102	64
NZM1	7	124	117	86	124	117	86	104	98	61
NZM1	10	120	113	84	120	113	84	98	92	57
NZM1	15	113	107	79	113	107	79	87	82	51
NZM1	20	95	90	83	95	90	83	70	70	45
NZM2	1	236	223	165	236	223	165	198	187	123
NZM2	3	224	211	156	224	211	156	183	173	116
NZM2	5	214	202	149	214	202	149	174	164	111
NZM2	7	206	194	143	206	194	143	164	155	106
NZM2	8	201	190	140	201	190	140	159	150	103
NZM2	10	190	180	134	190	180	134	140	140	98
NZM2	12	158	150	138	158	150	128	117	117	93
NZM3	1	594	560	415	594	560	415	464	438	310
NZM3	2	534	504	374	534	504	374	402	379	279
NZM3	3	505	476	353	505	476	353	371	350	264
NZM3	4	475	448	332	475	448	332	350	321	248
NZM3	5	380	360	330	380	360	312	280	280	233
NZM3	7	271	257	236	271	257	236	200	200	200
NZM3	10	190	180	165	190	180	165	140	140	140
NZM3	1	488	460	341	488	460	341	361	341	254
NZM3	2	452	426	316	452	426	316	325	307	229
NZM3	3	432	408	303	432	408	303	307	290	216
NZM3	4	414	391	290	414	391	290	289	273	203
NZM3	5	380	360	277	380	360	277	280	256	190
NZM3	7	271	257	236	271	257	236	200	200	165
NZM3	10	190	180	165	190	180	165	140	140	127

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Current Load for PIFT Fuse Strips up to a max. of 630 A

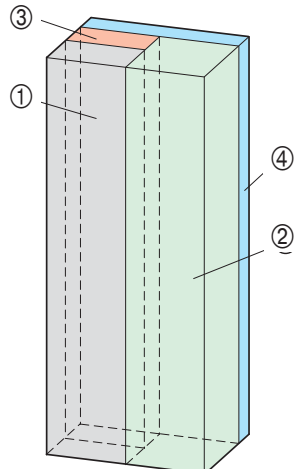
Size	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31 25°C A	35°C A	50°C A	**IP42** 25°C A	35°C A	50°C A	**IP55** 25°C A	35°C A	50°C A
PIFT00 (1)	1	133	125	100	133	125	100	96	91	91
PIFT00 (3)	3	128	121	97	128	121	96	93	88	88
PIFT00 (5)	5	126	119	95	125	118	94	91	86	86
PIFT00 (7)	7	123	116	93	122	115	92	88	83	83
PIFT00 (10)	10	120	113	90	117	110	88	85	80	80
PIFT00 (20)	20	106	100	80	101	95	76	73	69	69
PIFT00 (30)	30	69	65	60	69	65	60	64	60	60
PIFT1 (1)	1	191	180	144	191	180	144	139	131	131
PIFT1 (3)	3	183	173	138	177	167	134	129	122	122
PIFT1 (5)	5	178	168	134	169	159	127	123	116	116
PIFT1 (7)	7	173	163	130	159	150	120	116	109	109
PIFT1 (10)	10	164	155	124	145	137	109	106	100	100
PIFT1 (20)	20	69	65	65	69	65	65	69	65	65
PIFT2 (1)	1	334	315	253	334	315	253	244	230	230
PIFT2 (3)	3	313	295	237	313	295	237	228	215	215
PIFT2 (5)	5	299	282	226	299	282	226	217	205	205
PIFT2 (7)	7	272	257	205	272	257	205	186	175	175
PIFT2 (10)	10	191	180	165	191	180	165	148	140	140
PIFT3 (1)	1	519	490	394	519	490	394	379	358	358
PIFT3 (3)	3	448	423	340	432	408	327	315	297	297
PIFT3 (4)	4	424	400	322	403	380	305	254	240	240
PIFT3 (5)	5	371	350	310	371	350	280	186	175	175
PIFT3 (7)	7	272	257	235	272	257	235	148	140	140
PIFT3 (10)	10	191	180	165	191	180	165	–	–	–

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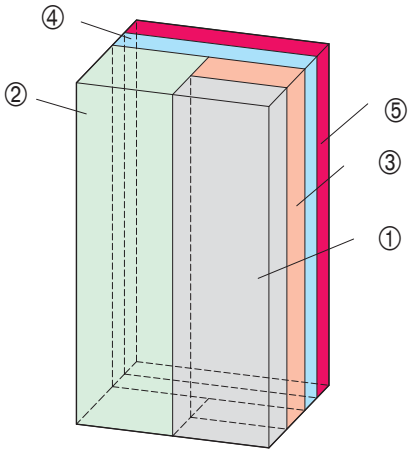
XW Outgoing sections in fully withdrawable design

Functional areas

Busbar rear-mounted



00156267_0



Kat_5000_funkts_r

1 Switchgear area

2 Cable connection area

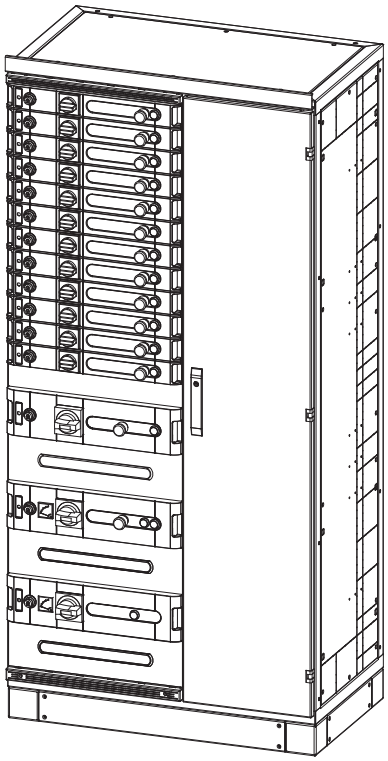
3 Dropper bars

4 Main busbars

5 additional main busbar section for 5000 A

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XW Outgoing sections for Motor Control Centers in withdrawable design



ANS-MCC-Katalog

Heights and versions of the withdrawable design:
Configuration as power outgoer, direct starter, reverse starter, star-triangle starter

- in the widths of 1000 and 1200 mm
- in section depths of 600, 800 and 1000 mm
- 3 or 4 poles
- rated current of dropper bars I_n=1000 or 2000 A / 3 or 4 poles
- max. short-circuit current I_{CW}=80 kA
- I_e max = 480 V AC
- IP31/55
- to keep IP31 with drawers in test position or in open position you need to use design strip /rain shield (type XSDR10(12)-X1-B)
- shelf-boards can be individually mounted in height, depending on the size of the modules
- max. height of the dropper bar available for equipment = 1875 mm
- cable connection area is fully sealed off from the switchgear area, main busbar area and dropper bar area
- dropper bar is fully sealed off at the front thanks to self-closing shutters
- drawers available:
  power outgoers up to 630 A
  direct starters from 0.06-132 kW
  reverse starters from 0.06-132 kW
  star-triangle starters from 5.5-110 kW
- outgoers from 132 to 250 kW are executed as fixed design solutions

Switchgear area:
· max. height of switchgear area available for equipment = 1875 mm
· connection of modules (main/control circuit) both on the incoming and outgoing side is done on plug-type contact blocks. The outgoing plug-type contact block is mounted in the correct current rating on the shelf-board, which is then inserted into the switchgear area and fixed at the correct height.

Dropper bars:
· center-to-center distance between phases 60 mm
· rated current I_n 1000 and 2000 A
· rated short-time withstand current I_{CW} up to 80 kA

Cable connection area:
· cable connection has to be done on the right side of the distribution section, outgoing cables can be inserted either from the bottom or from the top
· cable strain relief rails on the right side of the cabinet ensure a neat and safe guidance of outgoing cables
· access to the cable connection area is provided through a separate door to the cable connection area which is fully sealed off from busbar areas and the switchgear area
· vertical PE, N or PEN rails are mounted in the cable connection area and can be equipped with connections for any outgoing cable

Modules:
· Each module can be individually equipped, depending on whether you need a direct starter module or a reverse starter combination. Setup and dimensioning have to be done according to the enclosed instructions (AWA and BA).
· A detailed circuit / wiring plan provides information on the correct way of wiring the switchgear in the module
· The front covers of each module come with numerous punch holes and cut-outs so as to allow the individual integration options for all the required control units to be accommodated in each module
· Main-current contacting of the modules is done through plug-type contact terminals in line with the corresponding rating; these terminals are directly mounted on the shelf-board.
· Contacting the control lines is done via a plug-type terminal block which sticks out into the cable connection area. From there it is easy to do the control wiring in an extremely convenient way.

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XW Outgoing Sections for Motor Control Centers in fully withdrawable design

Finishes of the module fronts:

Module fronts are available in two different materials:
In plastic and in metal.

Plastic front:

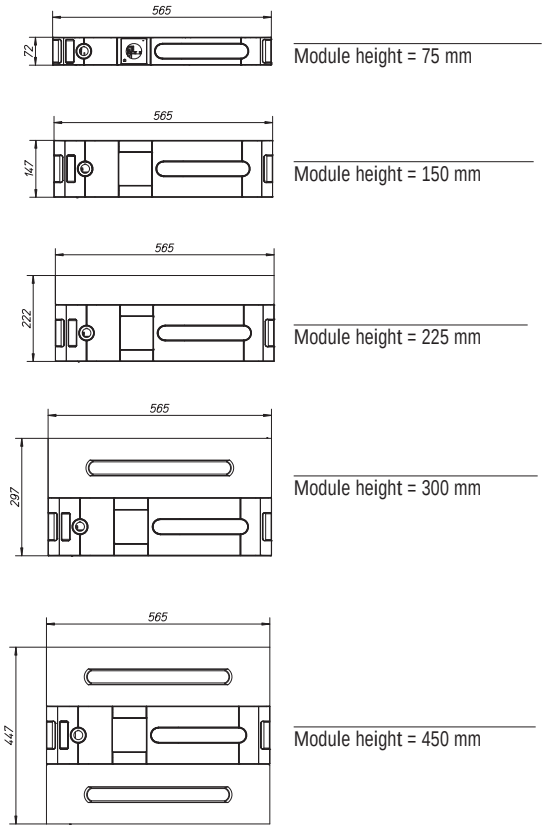
The plastic front can be hooked onto the module using a metal front plate and then be screw-fixed. This method creates a firm, screwed connection between the front and the module body. For wiring or for service jobs - which require access to the drawer from the front - the front needs to be removed. To meet IP55 requirements, the metal carrier frame is equipped with a heat-applied polyurethane 2-component foam sealing.

Metal front:

The metal front will be supplied as one unit together with the base plate/frame. The base frame is firmly screw-fixed to the module. The front as such is set up like a door with hinges and will therefore provide free access to all components positioned behind it as well as to the corresponding wiring. To meet IP 55 requirements, the metal carrier frame is equipped with a heat-applied polyurethane 2-component foam sealing. For IP 31 or IPP 55 the door is designed with sealing, so the sealing area between the carrier frame and the door is neatly sealed.

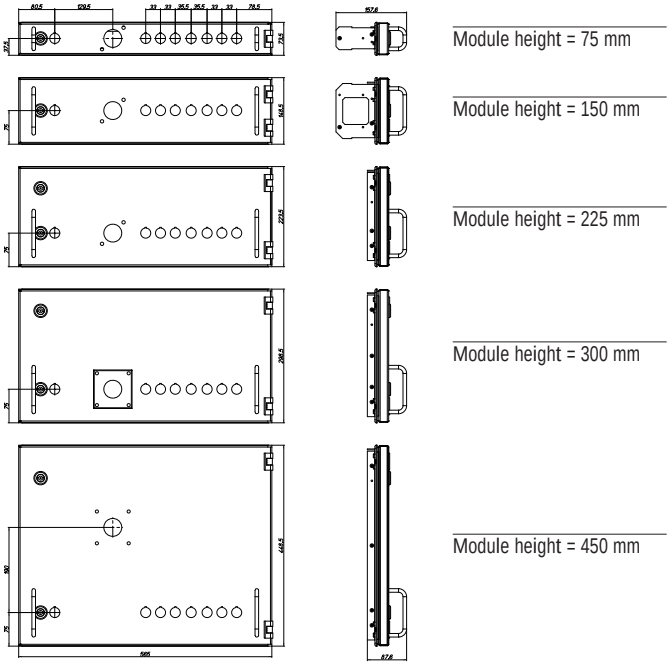
Dimensions of the module fronts:

Plastic front:



xE_MCC_2_

Metal front:



MCC_MFR_1

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XW Outgoing sections for Motor Control Centers in withdrawable design

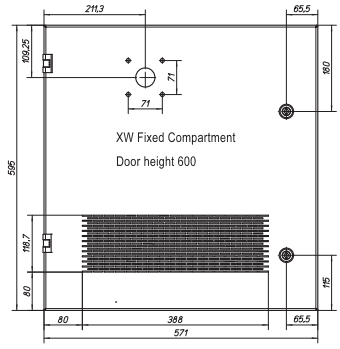
Setup of fixed modules:

Heights 600 mm and 750 mm.
Due to their weight modules higher than 450 mm need to be fixed in the MCC cabinet and screw-fixed to it. Generally you can use the same components as with smaller modules.

Dimensions of Fixed Modules:

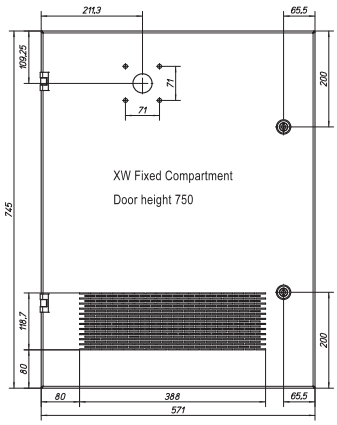
Dimensions of the doors:

Height 600 mm



MCC_Fix_H600_H750_Door

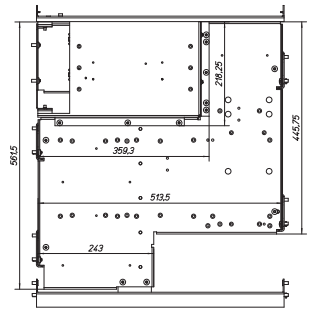
Height 750 mm



MCC_Fix_H600_H750_Door

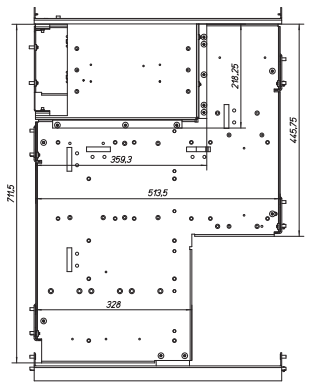
Dimensions of Fixed Modules:

Front view of the mounting plate Height 600 mm



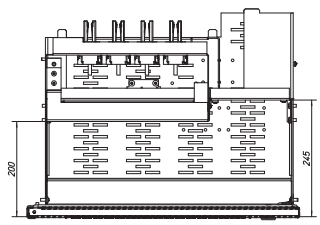
MCC_Fix_H600_H750

Front view of the mounting plate Height 750 mm



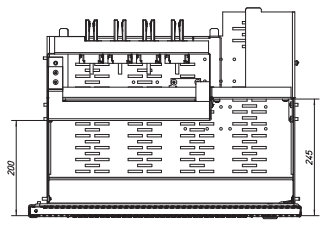
MCC_Fix_H600_H750

Top view Height 600 mm



MCC_Fix_H600_H750

Top view Height 750 mm



MCC_Fix_H600_H750

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XW Outgoing sections for Motor Control Centers in withdrawable design

Overview of the different drawers listed according to module heights and performance (amperage)

IP31:

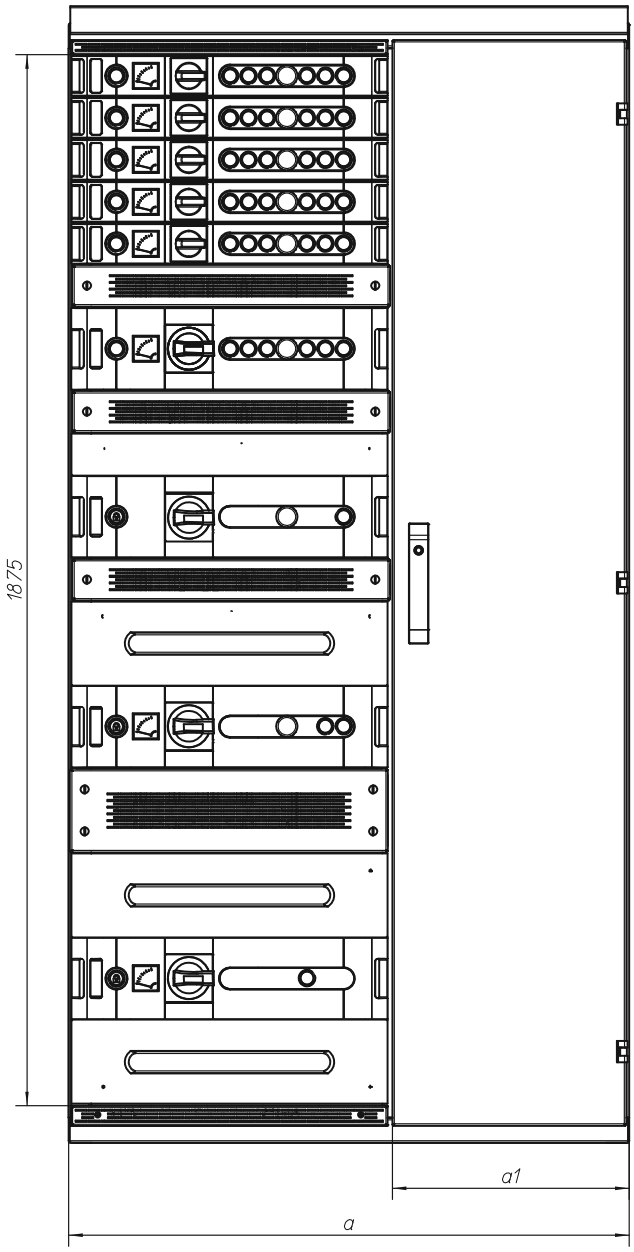
Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage
75	FE3P	16-32A	16-32A
	DOL	3-15kW	0.06-15kW
	FR	3-15kW	0.06-15kW
150	FE3P	20-200A	20-200A
	FC3P	20-100A	20-100A
	DOL	18.5-45kW	18.5-45kW
	FR	18.5-22kW	-
	SD	5.5-15kW	7.5-15kW
225	FE4P	20-200A	20-200A
	FC3P	125A	125A
	FC4P	20-125A	20-125A
	DOL	55-75kW	55-75kW
	FR	30-75kW	18.5-75kW
	SD	18.5-22kW	-
300	FE3P	250A	250A
	FE4P	250A	250A
	FC3P	160-200A	160-200A
	DOL	90kW	90kW
	FR	-	-
	SD	37-75kW	18.5-75kW
450	FE3P	400A	400A
	FE4P	400A	400A
	FC3P	250-300A	250-300A
	FC4P	160-300A	160-300A
	DOL	110-160A	110-160A
	FR	90-110kW	90-110kW
As of a height of 600 mm, it is only possible to create a set-up with fixed modules			
600	FE3P	630A	630A
	FE4P	630A	630A
	FC3P	400-630A	400-630A
	FC4P	400-630A	400-630A
	DOL	200-250kW	200-250kW
	FR	132-160kW	132-160kW
	SD	90-250kW	90-250kW
750	FR	200-250kW	200-250kW
	SD	-	250kW

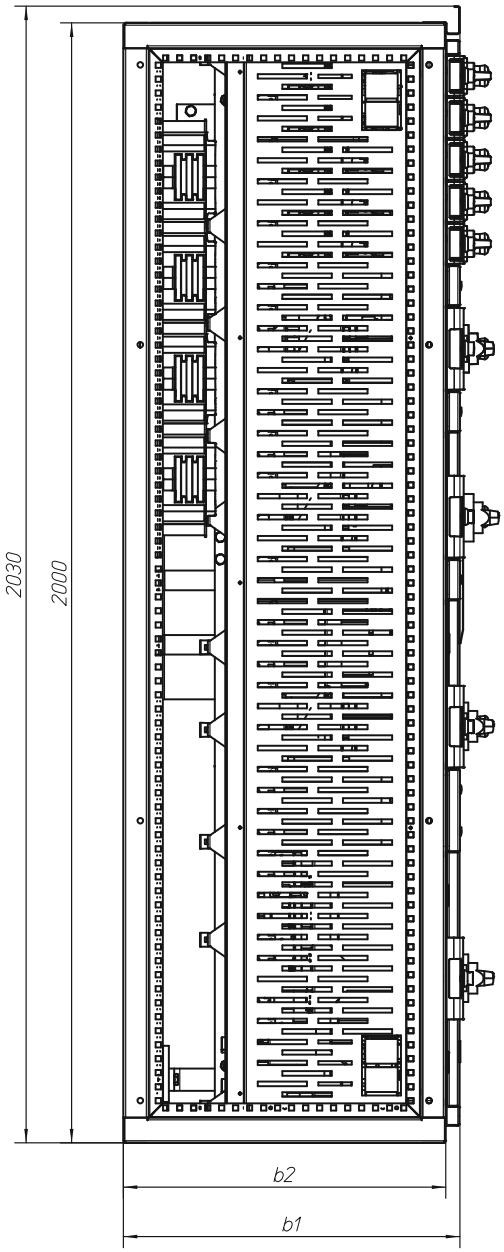
IP55:

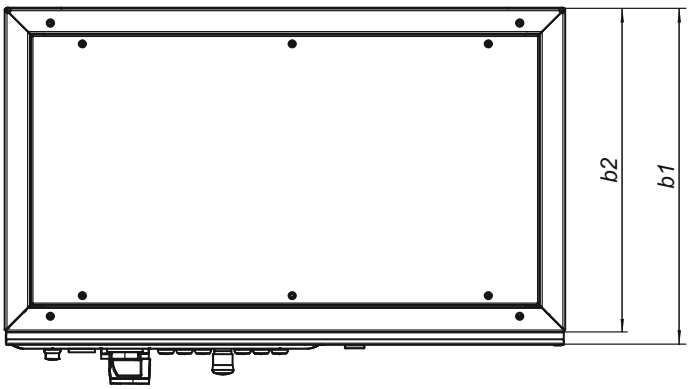
Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage
75	FE3P	16-25A	16-25A
	DOL	3-11kW	0.06-11kW
	FR	3-11kW	0.06-11kW
150	FE3P	20-160A	20-160A
	FC3P	20-80A	20-80A
	DOL	15-37kW	15-37kW
	FR	15-18.5kW	-
	SD	5.5-11kW	7.5-11kW
225	FE4P	20-160A	20-160A
	FC3P	100-125A	100-125A
	FC4P	20-125A	20-125A
	DOL	45-55kW	45-55kW
	FR	22-55kW	15-55kW
	SD	15-18.5kW	-
300	FE3P	200A	200A
	FE4P	200A	200A
	FC3P	160A	160A
	DOL	75kW	75kW
	FR	-	-
	SD	22-55kW	15-55kW
450	FE3P	400A	400A
	FE4P	400A	400A
	FC3P	250A	250A
	FC4P	160-250A	160-250A
	DOL	90-110A	90-110A
	FR	75-90kW	75-90kW
As of a height of 600 mm. it is only possible to create a set-up with fixed modules			
600	FE3P	630A	630A
	FE4P	630A	630A
	FC3P	400A	400A
	FC4P	400A	400A
	DOL	132-200kW	132-200kW
	FR	110kW	110kW
	SD	75-200kW	75-200kW
750	FR	132-200kW	132-200kW
	SD	250kW	250kW

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XW Outgoing sections for Motor Control Centers in withdrawable design - Dimensions







b1	b2
600	575
800	775

a1	a2
1000	425
1200	625

xE_ANS-MCC-Abmessungen

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Smart Wire in xEnergy Main

What is SmartWire-DT®

SmartWire-DT® is a wiring and communication system for industrial control systems; it can be used both in the electrical cabinet and in the periphery. It replaces the control wiring which up to now was necessary for the switchgear as well as the input and output components, and it connects up to 99 SmartWire-DT® participants in an SWD string. An SWD string can be expanded to up to a max. of 600 m.

For more information on SmartWire-DT® please visit:

www.eaton.com/moeller → Support

and enter the search key “Das System“ (“The system“) in the quick search function.

How to incorporate SmartWire-DT® in the MCC

Key requirement:
Our objective was to make it possible to replace the individual drawers during full operation without interrupting the SW-DT string and without the need to reconfigure the replaced SW-DT components.

Additional equipment especially required for MCC:

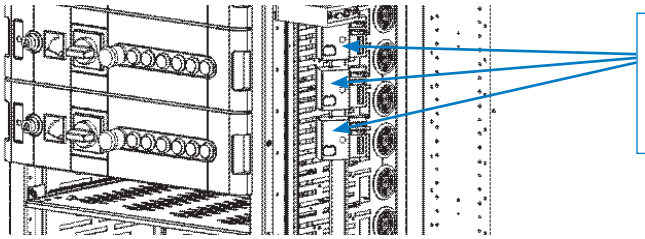
Line adapter SWD4-FFR-ST1-1 and Supply module SWD-FFR-PF1-1



VT03212

Explanation of the supply module

You need to plan one supply module supplied with 24 VDC (back-up fuse max. 40 A) for each drawer. It is only thanks to this module that the pulling and pushing of the drawers is possible without any effect. Supply modules are fixed at the DIN rail (see drawing) in the cable connection area, at the level of the drawers.



Smart_Wire_1

Explanation of the line adapter

You will need a line adapter for each drawer. This adapter will be connected with the supply module via the auxiliary current contacts using conventional wiring. In the drawer as such all participants are connected through the SW-DT flat cable, the beginning and the end of the flat cable must be connected with the line adapter. There is also a 24 VDC / max 2 A voltage tap available, which can be used to supply more consumers. The line adapter also offers the possibility to interrupt the activation of contactors by using a release terminal. This is necessary if you wish to include an emergency stop button or a safety chain, for example.

Connection between supply module (SWD-FFR-PF1-1) and line adapter (SWD4-FFR-ST1-1)

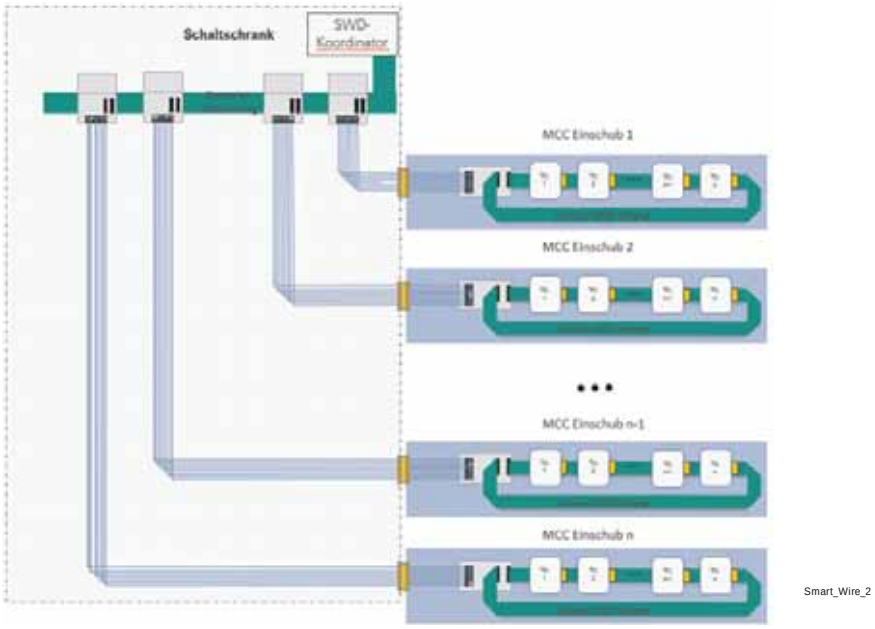
The connection between these two additional devices is established by means of conventional wiring. There is no SW-DT flat cable necessary. Each device is equipped with 8 spring-type terminals which need to be connected through auxiliary current terminals (with the same numbers).

Smart Wire in xEnergy Main

SWD Gateway

PROFIBUS DP, CANopen, Ethernet IP and Modbus TCP-Gateways ensure the data exchange with the higher level of the control system. They provide the most important field bus connections for the most common control functions. The Gateway is positioned in the cable connection area, but it can variably be adjusted or placed there depending on the space available.

SWD Gateway



Smart_Wire_2

Mechanical Setup of MCC with SmarWire-DT®

Cabinet:

Generally there is no difference between sections with a SW-DT setup and normally wired MCC sections. In the cable connection area, the SWD4-FFR-PF1-1 supply module can be snapped onto the DIN rail which is also required for conventional wiring of control functions. The Gateway is usually mounted at the vertical DIN rail, at the top or at the bottom of the cable connection area (depending on the cable routing).

Drawer

Generally you can use standard drawers. There are expansion sets available to make them Smart Wire compatible. These expansion sets exist in all drawer sizes and are compulsory if SmartWire needs to be used in the drawers. The line adapter will be snapped onto a DIN rail included in the expansion set.

For more information on Installation and Mounting Instructions, please visit:
www.xEnergy-partner.com

Soft Starter in xEnergy Main MCC and iMCC

For the power range from 1.1 to 15kW (3-32A) you can use soft starter solutions in XW drawer sections. The Soft Starter series DS7 sizes 1+2 are incorporated in XW drawers and tested to IEC 61439.

Technical Details

Versions:	DOL, FR (direct starter, reverse starter)
Rated short-time withstand current:	50 kA, 80 kA
Drawer heights:	75, 150, 225 mm
Versions/finishes:	
Standard	without SW-DT for normal MCC application
Basic	with SW-DT, but without reading of the circuit breaker (iMCC application)
Complete	with SW-DT and reading of the circuit breaker - electronic tripping (iMCC application)
Degree of protection:	IP31, IP55
Power:	1,5 -15 kW
Assignment type:	Type 2
Ambient temperature:	35°C

Setup/Installation

The soft starter can be installed in standard drawers where additional expansion sets can be fixed to establish the pre-requisites for soft starters. These retro-fitting sets include a DIN rail (L = depending on the drawer height) and screws. Installation must be done according to our installation guideline (IL – XMW..06SS-161/162/163).

Electric components

Configuration of the electric components has to be done according to the XW_DS7_Drawer_Outgoing_Unit_List. This list details all the electric components necessary for the different variants of drawers.

You can find the complete documentation on our xEnergy Main homepage at www.xEnergy-Partner.com

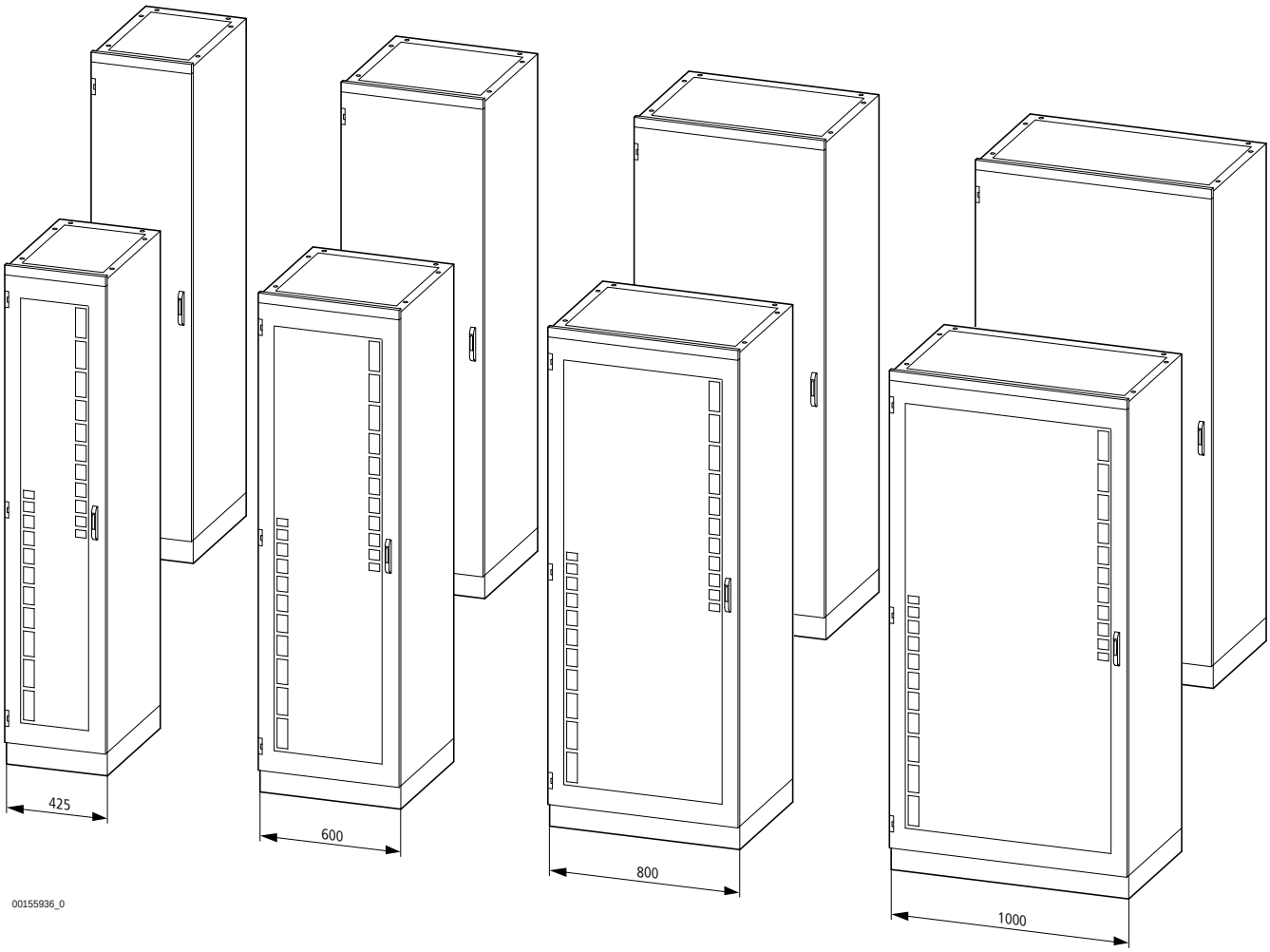
Different finishes of drawers:
There are 3 different versions of drawer finishes with soft starter.

Standard: In the standard version the soft starter and all electric components are wired and controlled in the conventional way.

Basic: In the Basic version, the control wiring is carried out using a SmartWire-DT. There is no conventional control wiring. The circuit breaker includes a thermomagnetic tripping unit, therefore it is not possible to make a query of the current parameters via SW-DT.

Complete: In the Complete version, a SmartWire-DT is used for control wiring. There is no conventional control wiring. As there is an electronic tripping unit incorporated in the circuit breaker, it is possible to make a query and read the status of each individual parameter at any time via the SW-DT.

XG Empty sections for universal application



Universal empty sections for the following installation possibilities:

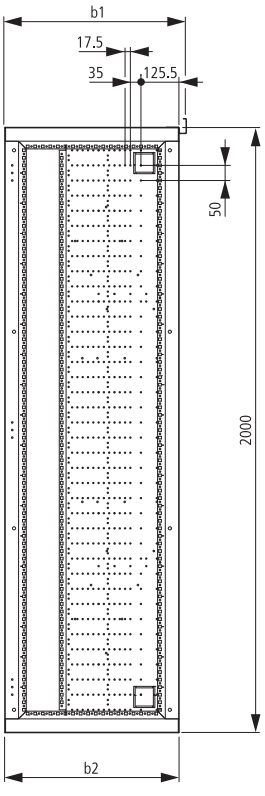
Installation distribution systems	e.g. with Eaton IVS	Product range catalogue IVS SK0207-1185 Power distribution systems or Electronic Catalogue
Switchgear adapter	e.g. with Eaton xStart	Main catalogue HPL0211, Industrial switchgear or Electronic Catalogue
Frequency converter	e.g. with Eaton DF51, DF6, DV51, DV6 and DV5/6	Main catalogue HPL0211, Automation systems and Drives or Electronic Catalogue
Soft starters	e.g. Eaton DS4, DM4 and DS6	Main catalogue HPL0211, Automation systems and Drives or Electronic Catalogue
Automation systems	e.g. with EatonPS4, PS416, XC100, XC200 ...	Main catalogue HPL0211, Automation systems and Drives or Electronic Catalogue
Large motor starters	e.g. with Eaton contactors up to 900 kW/400 V	Main catalogue HPL0211, Industrial switchgear or Electronic Catalogue
Power factor correction	e.g. with FRAKO, KBR	Chapter Power factor correction

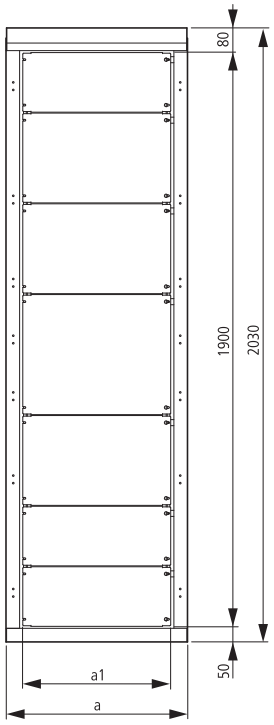
With a front door as high as the cabinet, ventilated, closed or transparent, right or left-hinged

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Dimensions - XG Emty sections

Empty XG section with fitting kit for depth-adjustable mounting plates
XSMIB20

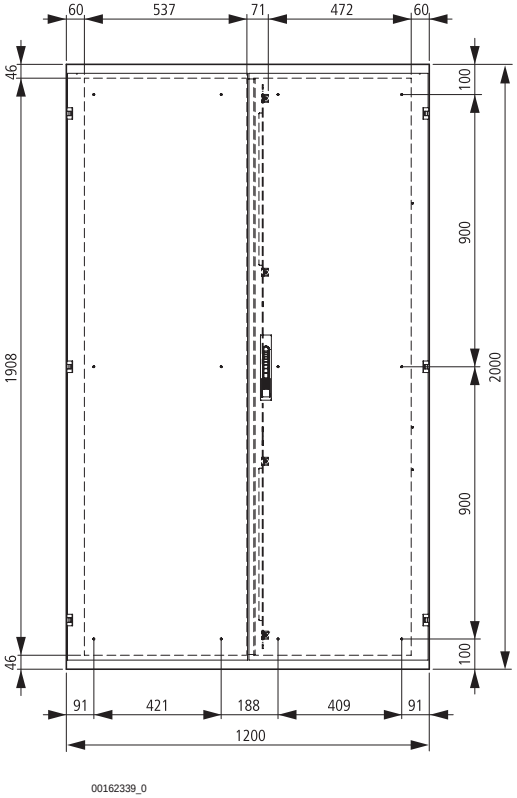




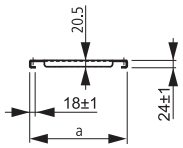
b1	b2
600	575
800	775

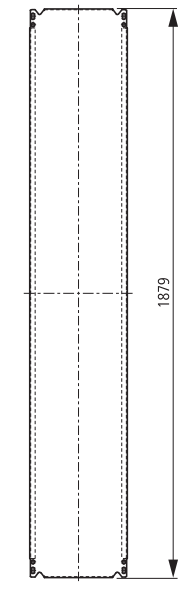
a	a1
425	314
600	489
800	689
1000	889

Section door 1200 mm wide
XSDMLV2012



Fitting kit for mounting plates as high as the section
XSMMFB20...

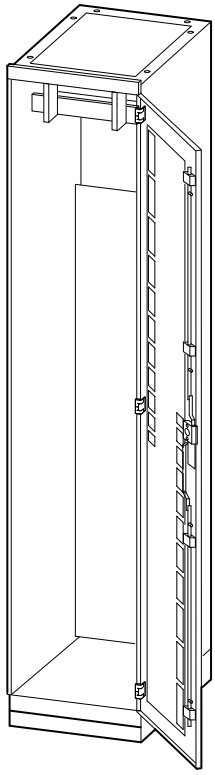




a
322
497
697
897
1097

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XG General Sections



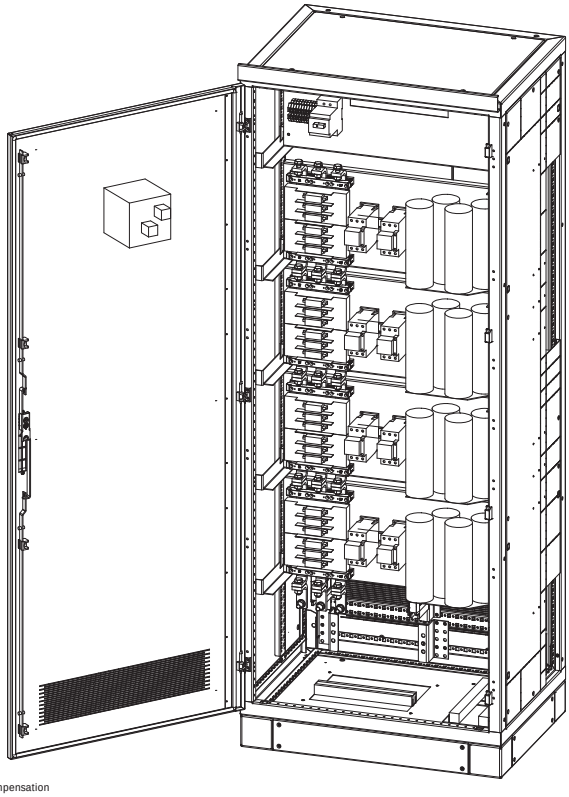
00163952_0

- in the widths of 425,600,800,850,1000,1100,1200 and 1350 mm
- IP31/55
- with the main busbar at the top or rear, or without any main busbar as a control distribution unit
- with mounting plate(s) in one piece or split
- as a compensation distribution unit
- suitable for integrating xBoard Profi Plus, IVS, Profi Plus EP, SASY60i

Switchgear area:

· the switchgear area can be set up individually, according to customer specifications

· whether you use a control distribution board with a mounting plate or a mounting plate in combination with SASY60i as a power or motor-distribution board, or one of the different fitting systems such as xBoard Profi Plus, IVS, Profi Plus EP - we have the right solution for every application



xE_Kompensation

XG for power factor correction units

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Planning tools

The right tool for every stage of your project

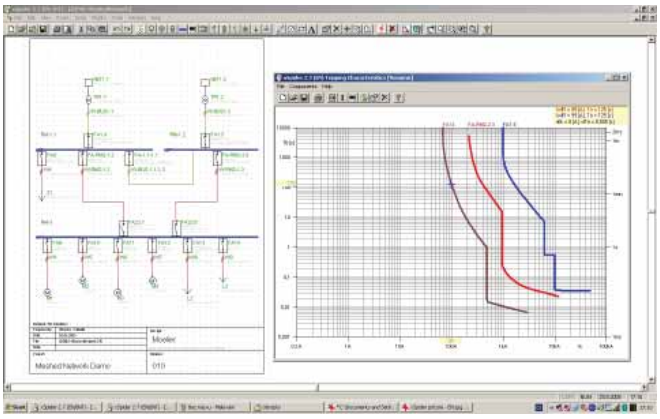
Eaton Engineering Tools support you in
- Network planning and calculation
- Preparing your offers
- Designing distribution systems
- Generating parts lists and ordering

Eaton xSpider

Proven functions for network planning and calculation
- Load flow and short-circuit calculation
- Dimensioning of the devices
- Selectivity calculation and graphic comparison
- Conformity to IEC 909 and IEC 60364 standards
- Automatic verification of data completeness

Expertise and experience
- xSpider simplifies and speeds up your job by relieving you from time-consuming routing tasks
- xSpider protects against planning errors in low-voltage networks

Functional and flexible
- easy generation of network drawings
- clearly structured database
- xSpider is the right tool for every stage of a project and for testing the existing networks

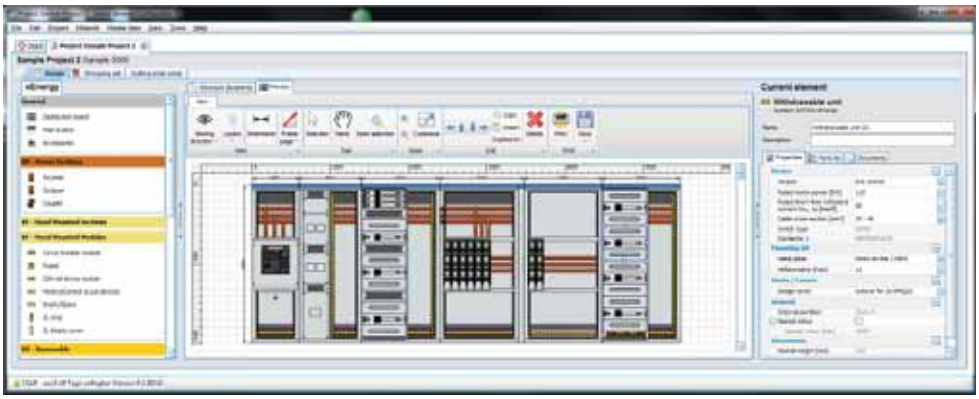


With xSpider you can plan low-voltage networks (meshed systems and radial networks) safely and without problems.

Eaton Configurator

User-friendly for the selection of xEnergy Main
- Windows-based dialogue guidance
- functional, self-explanatory design structure
- short familiarization time thanks to Look and Feel

Wide range of applications
- project administration and system structure
- a functions-guided system selection will automatically generate the suitable distributor
- generation of a parts list for devices, fitting kits and distributors
- generation of a front view for offers, individual adjustments through Drag and Drop



Eaton Configurator is the fastest selection tool for xEnergy Main.

CurveSelect

Characteristic curve program for short-circuit and overload protection tools
- Allows to display, compare and keep record of characteristic curves easily
- CurveSelect is available free of charge and allows the setting-specific display of tripping characteristics of several protective devices based on the same time and current standards. This makes it significantly easier to evaluate the interaction of NZM and IZM circuit breakers, PZK motor protectors and ZB motor protective relays, MCBs and HBC fuses.

Use this link to visit the corresponding site:
www.moeller.net/de/products_solutions/power_distribution/power_communication/curve_program/index.jsp



Planning notes on power loss IZM

Calcuation of effective power loss

Note:
The installed losses per section are required only where the total power loss of the switchgear system needs to be determined, e.g. for the rating of air-conditioning or ventilation systems in switch rooms.

Effective power loss:

$P = P_{w1} + P_{w2} + P_{w3} + P_{w...}$

Power loss at rated current of the circuit:

$$P_e = P_n \times \left(\frac{I_e}{I}\right)^2$$

Effective power loss taking into account the rated load factor α:

$P_{w1} = P_n \times \alpha^2$

Characters used:

P	=	Total power loss
P_n	=	Power loss at rated current of the equipment
P_e	=	Power loss at rated current of the power circuits
$P_{w1...n}$	=	Effective power loss of the equipment group
I_n	=	Rated current of the equipment
I_e	=	Rated current of the power circuit
α	=	Rated diversity factor

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Planning notes on power loss with IZM63

IZM63	In in A	Breaking capacity	Power loss at In when fixed in W	Power loss at In when withdrawable in W
	4000	N = Normal	380	750
	5000	N = Normal	400	1000
	6000	N = Normal	620	1550
	4000	H = High	380	750
	5000	H = High	400	1000
	6000	H = High	620	1550

Planning notes on power loss with NZM

NZM1-Circuit breakers

Rated current In in A	Power loss in W Fixed
20	9.8
25	8.8
32	9.3
40	10.7
50	13.2
63	14.2
80	16.3
100	21.9
125	26.7
160	36.1

With plug base NZM1

Rated current In in A	P in W	R in µΩ
125	14	300

NZM2-Circuit breakers

Rated current In in A	Power loss in W Fixed
1.2	-
1.6	-
2	-
2.4	-
3	-
5	-
8	-
12	-
15	-
18	-
20	5.1
25	8
26	-
30	-
32	9.6
33	-
35	-
40	13.4
45	-
50	17
60	-
63	20.2
70	-
80	20.5
90	-
100	25.7
110	-
125	27.6
150	-
160	38.4
175	-
200	48
225	-
250	58.1
300	83.7

With plug base NZM2

Rated current In in A	P in W	R in µΩ
250	19	100

NZM3-Circuit breakers

Rated current In in A	Power loss in W Fixed
250	68
320	79
500	93
630	119

With withdrawable system NZM3

Rated current In in A	P in W	R in µΩ
630	83	70

NZM4-Circuit breakers

Rated current In in A	Power loss in W Fixed
1600	284.2

With withdrawable system NZM4

Rated current In in A	P in W	R in µΩ
1600	77	10

Notes

The values listed in the table are valid for 3 and 4 pole devices with fixed installation under equal load.
With 4-pole devices the current in the N conductor is zero.
The total ohmic resistance is the value measured for a 3 or 4 pole circuit breaker.
The total power loss is the value measured at I_n 50/60 Hz for a 3 or 4 pole circuit breaker.
Power loss can be calculated using the formula: $P = 3 \times R \times I^2$

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Planning notes on power loss with PIFT, SL, motor starters, power factor correction

Outgoers with PIFT switch fuse units with h.b.c. fuses up to 630 A

Size NH / Rated current in A	Power loss in W Double break feature
00/160	72,9
1/250	114
2/400	195
3/630	380

Outgoers with SL fuse switch disconnectors with h.b.c. fuses up to 630 A

Size NH / Rated current in A	Power loss in W
00/160	54
1/250	119
2/400	184
3/630	254

Motor starters

Motor rating at AC-3/400 V kW	Power loss W
11	10
18.5	20
30	20
45	40
75	60
110	70
160	80
200	130

Power factor correction

	Power loss W
choked	8/kvar
non-choked	2/kvar

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Planning notes for Power Loss (PV) of the Different Drawer Modules for Withdrawable Design in IP31

IP55 on request.

The power loss specified includes all switchgear at the max. development stage.

Power outgoers	Power loss Pv in W
FE3P 100A 50kA	40,0
FE3P 100A 80kA	40,0
FE3P 125A 50kA	54,3
FE3P 125A 80kA	54,3
FE3P 160A 50kA	76,8
FE3P 160A 80kA	76,8
FE3P 16A 50kA	9,3
FE3P 16A 80kA	3,3
FE3P 200A 50kA	106,9
FE3P 200A 80kA	106,9
FE3P 20A 50kA	14,8
FE3P 20A 80kA	14,8
FE3P 250A 50kA	137,9
FE3P 250A 80kA	137,9
FE3P 25A 50kA	10,3
FE3P 25A 50kA	10,3
FE3P 25A 80kA	5,9
FE3P 25A 80kA	5,9
FE3P 300A 50kA	198,6
FE3P 300A 80kA	198,6
FE3P 32A 50kA	13,5
FE3P 32A 50kA	13,5
FE3P 32A 80kA	9,6
FE3P 32A 80kA	9,6
FE3P 400A 50kA	229,7
FE3P 400A 80kA	229,7
FE3P 40A 50kA	17,8
FE3P 40A 80kA	17,8
FE3P 50A 50kA	21,9
FE3P 50A 80kA	21,9
FE3P 630A 50kA	450,2
FE3P 630A 80kA	450,2
FE3P 63A 50kA	27,4
FE3P 63A 80kA	27,4
FE3P 80A 50kA	28,1
FE3P 80A 80kA	28,1
FE4P 100A 50kA	40,0
FE4P 100A 80kA	40,0
FE4P 125A 50kA	54,3
FE4P 125A 80kA	54,3
FE4P 160A 50kA	76,8
FE4P 160A 80kA	76,8
FE4P 200A 50kA	106,9
FE4P 200A 80kA	106,9
FE4P 20A 50kA	14,8
FE4P 20A 80kA	14,8
FE4P 250A 50kA	137,9
FE4P 250A 80kA	137,9
FE4P 25A 50kA	13,7
FE4P 25A 80kA	13,7
FE4P 300A 50kA	198,6
FE4P 300A 80kA	198,6
FE4P 32A 50kA	16,9
FE4P 32A 80kA	16,9
FE4P 400A 50kA	229,7
FE4P 400A 80kA	229,7
FE4P 40A 50kA	17,8
FE4P 40A 80kA	17,8
FE4P 50A 50kA	21,9
FE4P 50A 80kA	21,9
FE4P 630A 50kA	450,2
FE4P 630A 80kA	450,2
FE4P 63A 50kA	27,4
FE4P 63A 80kA	27,4
FE4P 80A 50kA	28,1
FE4P 80A 80kA	28,1

Power outgoers with contactors	Power loss Pv in W
FC3P 100A 50kA	52,0
FC3P 100A 80kA	52,0
FC3P 125A 50kA	62,5
FC3P 125A 80kA	62,5
FC3P 160A 50kA	91,4
FC3P 160A 80kA	91,4
FC3P 200A 50kA	124,3
FC3P 200A 80kA	124,3
FC3P 20A 50kA	16,4
FC3P 20A 80kA	16,4
FC3P 250A 50kA	169,2
FC3P 250A 80kA	169,2
FC3P 25A 50kA	18,6
FC3P 25A 80kA	18,6
FC3P 300A 50kA	220,9
FC3P 300A 80kA	220,9
FC3P 32A 50kA	21,5
FC3P 32A 80kA	21,5
FC3P 400A 50kA	235,8
FC3P 400A 80kA	235,8
FC3P 40A 50kA	28,8
FC3P 40A 80kA	28,8
FC3P 50A 50kA	34,2
FC3P 50A 80kA	34,2
FC3P 630A 50kA	537,2
FC3P 630A 80kA	537,2
FC3P 63A 50kA	42,8
FC3P 63A 80kA	42,8
FC3P 80A 50kA	60,3
FC3P 80A 80kA	60,3
FC4P 100A 50kA	52,0
FC4P 100A 80kA	52,0
FC4P 125A 50kA	62,5
FC4P 125A 80kA	62,5
FC4P 160A 50kA	91,4
FC4P 160A 80kA	91,4
FC4P 200A 50kA	124,3
FC4P 200A 80kA	124,3
FC4P 20A 50kA	16,4
FC4P 20A 80kA	16,4
FC4P 250A 50kA	169,2
FC4P 250A 80kA	169,2
FC4P 25A 50kA	18,6
FC4P 25A 80kA	18,6
FC4P 300A 50kA	220,9
FC4P 300A 80kA	220,9
FC4P 32A 50kA	21,5
FC4P 32A 80kA	21,5
FC4P 400A 50kA	235,8
FC4P 400A 80kA	235,8
FC4P 40A 50kA	28,8
FC4P 40A 80kA	28,8
FC4P 50A 50kA	34,2
FC4P 50A 80kA	34,2
FC4P 630A 50kA	537,2
FC4P 630A 80kA	537,2
FC4P 63A 50kA	42,8
FC4P 63A 80kA	42,8
FC4P 80A 50kA	60,3
FC4P 80A 80kA	60,3

Direct starters	Power loss Pv in W
DOL 0,06kW 80kA	4,6
DOL 0,09kW 80kA	4,3
DOL 0,12kW 80kA	3,8
DOL 0,18kW 80kA	6,0
DOL 0,25kW 80kA	5,1
DOL 0,37kW 80kA	4,3
DOL 0,55kW 80kA	6,7
DOL 0,75kW 80kA	4,4
DOL 1,1kW 80kA	3,6
DOL 1,5kW 80kA	5,8
DOL 110kW 50kA	108,6
DOL 110kW 80kA	108,6
DOL 11kW 50kA	10,9
DOL 11kW 80kA	8,3
DOL 132kW 50kA	113,0
DOL 132kW 80kA	113,0
DOL 15kW 50kA	15,8
DOL 15kW 80kA	13,2
DOL 160kW 50kA	122,8
DOL 160kW 80kA	122,8
DOL 18,5kW 50kA	30,2
DOL 18,5kW 80kA	21,7
DOL 2,2kW 80kA	5,3
DOL 200kW 50kA	174,7
DOL 200kW 80kA	174,7
DOL 22kW 50kA	30,1
DOL 22kW 80kA	23,6
DOL 250kW 50kA	263,6
DOL 250kW 80kA	263,6
DOL 30kW 50kA	25,1
DOL 30kW 80kA	33,2
DOL 37kW 50kA	29,6
DOL 37kW 80kA	32,4
DOL 3kW 50kA	5,6
DOL 3kW 80kA	4,0
DOL 45kW 50kA	38,5
DOL 45kW 80kA	38,5
DOL 4kW 50kA	7,5
DOL 4kW 80kA	5,0
DOL 5,5kW 50kA	9,9
DOL 5,5kW 80kA	7,3
DOL 55kW 50kA	38,5
DOL 55kW 80kA	38,5
DOL 7,5kW 50kA	9,6
DOL 7,5kW 80kA	7,7
DOL 75kW 50kA	66,6
DOL 75kW 80kA	66,6
DOL 90kW 50kA	78,7
DOL 90kW 80kA	78,7

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Planning notes for Power Loss (PV) of the Different Drawer Modules for Withdrawable Design (Cont.) in IP31

IP55 on request.

The power loss specified includes all switchgear at the max. development stage.

Reverse starters	Power loss Pv in W
FR 0,06kW 80kA	6,3
FR 0,09kW 80kA	5,9
FR 0,12kW 80kA	5,2
FR 0,18kW 80kA	8,1
FR 0,25kW 80kA	6,9
FR 0,37kW 80kA	5,9
FR 0,55kW 80kA	9,1
FR 0,75kW 80kA	5,9
FR 1,1kW 80kA	4,8
FR 1,5kW 80kA	7,8
FR 110kW 50kA	146,7
FR 110kW 80kA	146,7
FR 11kW 50kA	14,8
FR 11kW 80kA	11,2
FR 132kW 50kA	152,7
FR 132kW 80kA	152,7
FR 15kW 50kA	21,3
FR 15kW 80kA	17,8
FR 160kW 50kA	166,0
FR 160kW 80kA	166,0
FR 18,5kW 50kA	40,8
FR 18,5kW 80kA	29,3
FR 2,2kW 80kA	7,2
FR 200kW 50kA	236,0
FR 200kW 80kA	236,0
FR 22kW 50kA	40,6
FR 22kW 80kA	31,9
FR 250kW 50kA	356,0
FR 250kW 80kA	356,0
FR 30kW 50kA	33,9
FR 30kW 80kA	44,9
FR 37kW 50kA	39,9
FR 37kW 80kA	43,7
FR 3kW 50kA	7,6
FR 3kW 80kA	5,4
FR 45kW 50kA	52,0
FR 45kW 80kA	52,0
FR 4kW 50kA	10,1
FR 4kW 80kA	6,7
FR 5,5kW 50kA	13,4
FR 5,5kW 80kA	9,8
FR 55kW 50kA	51,9
FR 55kW 80kA	51,9
FR 7,5kW 50kA	13,0
FR 7,5kW 80kA	10,4
FR 75kW 50kA	89,9
FR 75kW 80kA	89,9
FR 90kW 50kA	105,1
FR 90kW 80kA	105,1

Star/Delta	Power loss Pv in W
SD 110kW 50kA	-
SD 110kW 80kA	-
SD 11kW 50kA	-
SD 11kW 80kA	-
SD 132kW 50kA	-
SD 132kW 80kA	-
SD 15kW 50kA	-
SD 15kW 80kA	-
SD 160kW 50kA	-
SD 160kW 80kA	-
SD 18,5kW 50kA	-
SD 18,5kW 80kA	-
SD 200kW 50kA	-
SD 200kW 80kA	-
SD 22kW 50kA	-
SD 22kW 80kA	-
SD 250kW 50kA	-
SD 250kW 80kA	-
SD 30kW 50kA	-
SD 30kW 80kA	-
SD 37kW 50kA	-
SD 37kW 80kA	-
SD 45kW 50kA	-
SD 45kW 80kA	-
SD 5,5kW 50kA	-
SD 55kW 50kA	-
SD 55kW 80kA	-
SD 7,5kW 50kA	-
SD 7,5kW 80kA	-
SD 75kW 50kA	-
SD 75kW 80kA	-
SD 90kW 50kA	-
SD 90kW 80kA	-

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	195	167	147	238	193	164
300	400	2000	281	230	186	302	269	212
300	600	2000	438	356	302	486	384	316
300	800	2000	550	511	384	559	506	407
300	1000	2000	668	587	504	682	591	547
425	300	2000	285	250	212	319	293	270
425	400	2000	360	321	277	413	359	317
425	500	2000	458	386	335	488	438	367
425	600	2000	524	468	384	541	505	427
425	800	2000	636	579	513	661	592	537
425	1000	2000	773	686	610	773	705	614
600	300	2000	389	356	331	486	432	389
600	400	2000	511	441	391	524	502	469
600	500	2000	558	559	465	591	557	528
600	600	2000	620	582	553	660	610	568
600	800	2000	787	707	648	794	748	669
600	1000	2000	887	845	751	901	847	781
650	300	2000	426	388	359	487	488	435
650	400	2000	518	489	429	552	529	508
650	600	2000	651	610	578	702	646	600
800	300	2000	513	511	463	559	542	528
800	400	2000	581	561	571	637	607	581
800	500	2000	664	631	605	735	686	644
800	600	2000	760	707	666	794	774	712
800	800	2000	888	858	792	915	873	837
800	1000	2000	1007	954	915	1042	973	916
850	300	2000	534	524	510	588	570	553
850	400	2000	607	586	571	673	640	611
850	600	2000	800	742	698	821	797	754
850	800	2000	913	882	832	946	902	863
850	1000	2000	1037	981	940	1079	1006	945
1000	300	2000	600	587	579	682	659	637
1000	400	2000	691	664	645	756	752	714
1000	500	2000	805	758	722	831	812	805
1000	600	2000	861	845	800	901	873	848
1000	800	2000	990	954	928	1042	989	944
1000	1000	2000	1130	1065	1018	1197	1110	1038
1100	300	2000	642	627	617	721	721	695
1100	400	2000	753	722	699	799	787	777
1100	600	2000	905	887	876	956	925	898
1100	800	2000	1043	1003	975	1110	1052	1001
1100	1000	2000	1196	1124	1071	1284	1186	1104
1200	300	2000	697	680	668	763	756	751
1200	400	2000	801	792	765	851	837	825
1200	500	2000	877	866	862	934	911	891
1200	600	2000	950	930	919	1015	980	950
1200	800	2000	1099	1054	1023	1184	1118	1062
1200	1000	2000	1266	1187	1127	1380	1268	1176
1350	300	2000	769	768	753	826	819	813
1350	400	2000	859	855	856	926	910	896
1350	600	2000	1020	997	983	1109	1069	1033
1350	800	2000	1187	1136	1099	1306	1228	1161
1350	1000	2000	1382	1288	1218	1543	1407	1296
425	800	2200	681	607	552	705	628	559
600	800	2200	793	742	666	809	768	699
650	800	2200	820	786	703	841	797	746
800	800	2200	913	875	837	951	898	853
850	800	2200	942	902	872	986	931	883
1000	800	2200	1032	984	949	1100	1034	977
1100	800	2200	1094	1041	1003	1183	1108	1043
1200	800	2200	1160	1101	1058	1274	1188	1115
1350	800	2200	1267	1197	1146	1428	1322	1234
425	800	2400	713	634	567	720	664	580
600	800	2400	810	772	693	832	783	739
650	800	2400	841	800	736	868	816	771
800	800	2400	941	893	856	990	926	871
850	800	2400	974	923	885	1032	963	905
1000	800	2400	1078	1017	972	1167	1083	1012
1100	800	2400	1151	1083	1032	1268	1171	1090
1200	800	2400	1229	1153	1096	1379	1267	1174
1350	800	2400	1358	1266	1198	1574	1432	1317

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	352	301	265	429	347	296
300	400	2000	505	414	335	543	484	381
300	600	2000	788	642	544	875	690	569
300	800	2000	991	920	691	1006	911	733
300	1000	2000	1203	1057	908	1228	1063	984
425	300	2000	513	450	381	575	527	486
425	400	2000	649	578	499	743	645	571
425	500	2000	825	694	603	879	788	661
425	600	2000	944	842	692	974	908	768
425	800	2000	1145	1042	923	1190	1066	967
425	1000	2000	1391	1234	1099	1392	1270	1106
600	300	2000	700	642	596	875	777	700
600	400	2000	921	794	704	943	904	843
600	500	2000	1004	1007	838	1064	1003	951
600	600	2000	1116	1047	996	1189	1099	1023
600	800	2000	1416	1273	1166	1430	1347	1205
600	1000	2000	1597	1520	1351	1621	1524	1405
800	300	2000	847	843	764	922	895	870
800	400	2000	958	926	942	1051	1002	958
800	500	2000	1096	1040	998	1213	1132	1063
800	600	2000	1254	1166	1100	1311	1277	1175
800	800	2000	1465	1416	1306	1510	1441	1381
800	1000	2000	1661	1574	1510	1719	1606	1511
850	300	2000	882	865	841	970	940	913
850	400	2000	1001	967	942	1111	1057	1009
850	600	2000	1320	1224	1151	1354	1315	1244
850	800	2000	1507	1455	1372	1561	1488	1424
850	1000	2000	1710	1619	1551	1780	1660	1559
1000	300	2000	942	922	909	1071	1034	1001
1000	400	2000	1085	1043	1012	1187	1181	1121
1000	500	2000	1264	1190	1134	1304	1275	1264
1000	600	2000	1352	1326	1255	1414	1370	1332
1000	800	2000	1555	1498	1458	1635	1553	1482
1000	1000	2000	1774	1673	1598	1879	1743	1629
1100	300	2000	1007	984	969	1133	1132	1092
1100	400	2000	1183	1134	1097	1255	1236	1219
1100	600	2000	1421	1392	1376	1502	1453	1410
1100	800	2000	1638	1575	1531	1743	1651	1572
1100	1000	2000	1878	1765	1682	2016	1862	1734
1200	300	2000	1046	1019	1002	1144	1134	1127
1200	400	2000	1202	1188	1147	1276	1256	1238
1200	500	2000	1316	1300	1293	1401	1367	1336
1200	600	2000	1425	1395	1378	1522	1470	1425
1200	800	2000	1648	1582	1535	1776	1677	1593
1200	1000	2000	1900	1780	1691	2069	1902	1764
1350	300	2000	1153	1152	1129	1240	1229	1219
1350	400	2000	1289	1282	1285	1390	1366	1345
1350	600	2000	1530	1495	1475	1664	1603	1549
1350	800	2000	1781	1704	1648	1960	1842	1741
1350	1000	2000	2073	1932	1827	2315	2111	1944
425	800	2200	1226	1093	994	1269	1130	1006
600	800	2200	1427	1336	1199	1456	1382	1258
650	800	2200	1476	1415	1265	1514	1435	1343
800	800	2200	1506	1444	1381	1569	1482	1407
850	800	2200	1554	1488	1439	1627	1536	1457
1000	800	2200	1620	1545	1490	1727	1623	1534
1100	800	2200	1718	1634	1575	1857	1740	1638
1200	800	2200	1740	1652	1587	1911	1782	1673
1350	800	2200	1901	1796	1719	2142	1983	1851
425	800	2400	1283	1141	1021	1296	1195	1044
600	800	2400	1458	1390	1247	1498	1409	1330
650	800	2400	1514	1440	1325	1562	1469	1388
800	800	2400	1553	1473	1412	1634	1528	1437
850	800	2400	1607	1523	1460	1703	1589	1493
1000	800	2400	1692	1597	1526	1832	1700	1589
1100	800	2400	1807	1700	1620	1991	1838	1711
1200	800	2400	1844	1730	1644	2069	1901	1761
1350	800	2400	2037	1899	1797	2361	2148	1976

Powering Business Worldwide

Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	283	243	213	345	280	238
300	400	2000	407	334	270	437	390	307
300	600	2000	635	517	438	705	556	458
300	800	2000	798	741	557	811	734	591
300	1000	2000	969	851	731	990	857	793
425	300	2000	413	362	307	463	424	392
425	400	2000	523	466	402	598	520	460
425	500	2000	665	559	486	708	635	533
425	600	2000	760	679	557	784	732	619
425	800	2000	923	839	744	959	859	779
425	1000	2000	1120	994	885	1121	1023	891
600	300	2000	564	517	480	705	626	564
600	400	2000	742	640	567	760	729	679
600	500	2000	809	811	675	857	808	766
600	600	2000	899	843	802	958	885	824
600	800	2000	1141	1025	939	1152	1085	970
600	1000	2000	1287	1225	1089	1306	1228	1132
800	300	2000	719	716	648	783	759	739
800	400	2000	813	786	800	892	850	813
800	500	2000	930	883	847	1029	960	902
800	600	2000	1064	990	933	1112	1084	997
800	800	2000	1243	1201	1108	1281	1223	1171
800	1000	2000	1409	1336	1281	1458	1363	1282
850	300	2000	748	734	714	823	797	775
850	400	2000	850	820	799	943	896	856
850	600	2000	1120	1038	977	1149	1115	1056
850	800	2000	1279	1235	1165	1324	1262	1208
850	1000	2000	1451	1374	1316	1510	1409	1323
1000	300	2000	780	763	753	887	856	829
1000	400	2000	898	864	838	983	978	928
1000	500	2000	1046	985	939	1080	1055	1046
1000	600	2000	1119	1098	1039	1171	1135	1103
1000	800	2000	1287	1240	1207	1354	1286	1227
1000	1000	2000	1469	1385	1323	1556	1443	1349
1100	300	2000	834	815	802	938	937	904
1100	400	2000	979	939	909	1039	1023	1010
1100	600	2000	1176	1153	1139	1243	1203	1167
1100	800	2000	1356	1304	1268	1443	1367	1302
1100	1000	2000	1555	1462	1393	1669	1542	1436
1200	300	2000	906	883	868	991	983	977
1200	400	2000	1042	1030	994	1106	1089	1073
1200	500	2000	1140	1126	1120	1214	1184	1158
1200	600	2000	1235	1209	1194	1319	1274	1235
1200	800	2000	1428	1371	1330	1539	1454	1380
1200	1000	2000	1646	1543	1466	1793	1649	1529
1350	300	2000	999	999	978	1074	1065	1057
1350	400	2000	1117	1111	1113	1204	1184	1165
1350	600	2000	1326	1296	1278	1442	1389	1343
1350	800	2000	1543	1477	1429	1698	1596	1509
1350	1000	2000	1797	1674	1584	2006	1829	1685
425	800	2200	987	880	800	1022	911	811
600	800	2200	1150	1076	966	1173	1114	1014
650	800	2200	1189	1140	1019	1219	1156	1082
800	800	2200	1278	1225	1172	1331	1257	1194
850	800	2200	1319	1263	1221	1380	1303	1236
1000	800	2200	1342	1279	1234	1430	1344	1270
1100	800	2200	1422	1353	1304	1538	1440	1356
1200	800	2200	1508	1431	1375	1656	1544	1450
1350	800	2200	1647	1556	1490	1856	1719	1604
425	800	2400	1034	919	822	1044	963	841
600	800	2400	1175	1119	1005	1206	1135	1072
650	800	2400	1219	1160	1067	1259	1183	1118
800	800	2400	1317	1250	1198	1386	1296	1219
850	800	2400	1364	1292	1239	1445	1348	1267
1000	800	2400	1401	1322	1264	1517	1408	1316
1100	800	2400	1496	1408	1342	1648	1522	1417
1200	800	2400	1598	1499	1425	1793	1647	1526
1350	800	2400	1765	1646	1557	2046	1862	1712

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	273	234	206	334	270	230
300	400	2000	393	322	261	422	376	297
300	600	2000	613	499	423	680	537	442
300	800	2000	770	716	538	783	708	570
300	1000	2000	936	822	706	955	827	765
425	300	2000	399	350	296	447	410	378
425	400	2000	504	450	388	578	502	444
425	500	2000	642	540	469	684	613	514
425	600	2000	734	655	538	757	706	598
425	800	2000	891	810	718	925	829	752
425	1000	2000	1082	960	855	1083	988	860
600	300	2000	545	499	464	680	605	545
600	400	2000	716	618	547	733	703	656
600	500	2000	781	783	652	828	780	739
600	600	2000	868	814	774	925	855	796
600	800	2000	1101	990	907	1112	1048	937
600	1000	2000	1242	1182	1051	1261	1185	1093
800	300	2000	693	690	625	755	732	712
800	400	2000	784	758	771	860	820	784
800	500	2000	897	851	817	992	926	870
800	600	2000	1026	954	900	1072	1045	961
800	800	2000	1199	1158	1069	1235	1179	1130
800	1000	2000	1359	1288	1235	1406	1314	1236
850	300	2000	721	708	688	794	769	747
850	400	2000	819	791	770	909	864	826
850	600	2000	1080	1001	942	1108	1076	1018
850	800	2000	1233	1191	1123	1277	1217	1165
850	1000	2000	1399	1325	1269	1456	1358	1276
1000	300	2000	750	734	724	853	823	797
1000	400	2000	864	830	806	945	940	892
1000	500	2000	1006	947	903	1038	1015	1006
1000	600	2000	1076	1056	999	1126	1091	1060
1000	800	2000	1238	1192	1161	1302	1237	1180
1000	1000	2000	1412	1332	1272	1496	1388	1297
1100	300	2000	802	784	772	902	901	869
1100	400	2000	942	903	874	999	984	971
1100	600	2000	1131	1109	1096	1196	1157	1123
1100	800	2000	1304	1254	1219	1388	1315	1252
1100	1000	2000	1495	1405	1339	1605	1482	1380
1200	300	2000	871	849	835	953	945	939
1200	400	2000	1002	990	956	1064	1047	1032
1200	500	2000	1097	1083	1077	1168	1139	1113
1200	600	2000	1187	1163	1148	1269	1225	1187
1200	800	2000	1373	1318	1279	1480	1398	1327
1200	1000	2000	1583	1483	1409	1724	1585	1470
1350	300	2000	961	960	941	1033	1024	1016
1350	400	2000	1074	1068	1070	1158	1138	1121
1350	600	2000	1275	1246	1229	1387	1336	1291
1350	800	2000	1484	1420	1374	1633	1535	1451
1350	1000	2000	1727	1610	1523	1929	1759	1620
425	800	2200	953	850	773	987	879	783
600	800	2200	1110	1039	932	1133	1075	979
650	800	2200	1148	1100	984	1177	1116	1044
800	800	2200	1278	1225	1172	1331	1257	1194
850	800	2200	1319	1263	1221	1380	1303	1236
1000	800	2200	1445	1378	1329	1540	1448	1368
1100	800	2200	1532	1457	1404	1656	1551	1460
1200	800	2200	1624	1541	1481	1784	1663	1561
1350	800	2200	1774	1676	1604	1999	1851	1728
425	800	2400	998	888	794	1008	930	812
600	800	2400	1134	1081	970	1165	1096	1035
650	800	2400	1177	1120	1030	1215	1142	1079
800	800	2400	1317	1250	1198	1386	1296	1219
850	800	2400	1364	1292	1239	1445	1348	1267
1000	800	2400	1509	1424	1361	1634	1516	1417
1100	800	2400	1611	1516	1445	1775	1639	1526
1200	800	2400	1721	1614	1534	1931	1774	1644
1350	800	2400	1901	1772	1677	2204	2005	1844

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	264	226	199	322	260	222
300	400	2000	379	311	251	407	363	286
300	600	2000	591	481	408	656	518	427
300	800	2000	743	690	519	755	683	550
300	1000	2000	902	793	681	921	798	738
425	300	2000	385	337	286	431	395	365
425	400	2000	486	434	375	557	484	428
425	500	2000	619	520	452	659	591	496
425	600	2000	708	632	519	730	681	576
425	800	2000	859	781	692	892	800	725
425	1000	2000	1043	926	824	1044	952	829
600	300	2000	525	481	447	656	583	525
600	400	2000	691	596	528	707	678	633
600	500	2000	753	755	628	798	753	713
600	600	2000	837	785	747	892	824	767
600	800	2000	1062	954	874	1072	1010	904
600	1000	2000	1198	1140	1013	1216	1143	1054
800	300	2000	667	664	602	727	705	686
800	400	2000	755	730	743	828	789	755
800	500	2000	864	820	787	955	892	837
800	600	2000	988	919	866	1033	1006	926
800	800	2000	1154	1115	1029	1190	1135	1088
800	1000	2000	1308	1240	1190	1354	1265	1190
850	300	2000	695	682	663	764	740	719
850	400	2000	789	762	742	875	832	795
850	600	2000	1040	964	907	1067	1036	980
850	800	2000	1187	1146	1081	1230	1172	1122
850	1000	2000	1348	1276	1222	1402	1308	1229
1000	300	2000	720	704	695	819	790	765
1000	400	2000	829	797	774	907	903	857
1000	500	2000	966	909	867	997	974	966
1000	600	2000	1033	1013	959	1081	1047	1018
1000	800	2000	1188	1145	1114	1250	1187	1133
1000	1000	2000	1356	1278	1221	1436	1332	1245
1100	300	2000	770	752	741	866	865	835
1100	400	2000	904	866	839	959	945	932
1100	600	2000	1086	1064	1052	1148	1110	1078
1100	800	2000	1252	1204	1170	1332	1262	1202
1100	1000	2000	1435	1349	1285	1541	1423	1325
1200	300	2000	836	815	802	915	908	901
1200	400	2000	962	951	917	1021	1005	991
1200	500	2000	1053	1040	1034	1121	1093	1069
1200	600	2000	1140	1116	1102	1218	1176	1140
1200	800	2000	1318	1265	1228	1421	1342	1274
1200	1000	2000	1520	1424	1353	1655	1522	1411
1350	300	2000	923	922	903	992	983	975
1350	400	2000	1031	1025	1028	1112	1093	1076
1350	600	2000	1224	1196	1180	1331	1282	1239
1350	800	2000	1425	1363	1319	1568	1473	1393
1350	1000	2000	1658	1546	1462	1852	1689	1555
425	800	2200	919	819	745	952	848	755
600	800	2200	1071	1002	899	1092	1037	944
650	800	2200	1107	1061	949	1135	1076	1007
800	800	2200	1233	1181	1130	1284	1212	1152
850	800	2200	1272	1218	1177	1331	1257	1192
1000	800	2200	1393	1328	1281	1485	1396	1319
1100	800	2200	1477	1405	1354	1597	1496	1408
1200	800	2200	1566	1486	1428	1720	1604	1505
1350	800	2200	1710	1616	1547	1928	1785	1666
425	800	2400	963	856	765	972	896	783
600	800	2400	1094	1042	936	1123	1057	998
650	800	2400	1135	1080	994	1172	1102	1041
800	800	2400	1270	1206	1156	1337	1250	1176
850	800	2400	1315	1246	1195	1393	1300	1222
1000	800	2400	1455	1373	1312	1575	1462	1366
1100	800	2400	1554	1462	1393	1712	1581	1472
1200	800	2400	1659	1557	1480	1862	1710	1585
1350	800	2400	1833	1709	1617	2125	1933	1778

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	143	122	107	174	141	120
300	400	2000	205	168	136	220	196	154
300	600	2000	320	260	221	355	280	231
300	800	2000	402	373	281	408	370	298
300	1000	2000	489	429	369	499	432	399
425	300	2000	208	182	154	233	214	197
425	400	2000	263	235	202	301	262	232
425	500	2000	335	282	245	357	320	269
425	600	2000	383	342	281	395	369	312
425	800	2000	465	423	375	483	433	393
425	1000	2000	565	501	446	565	516	449
600	300	2000	284	260	242	355	316	284
600	400	2000	374	322	285	383	367	342
600	500	2000	408	409	340	432	408	386
600	600	2000	453	425	404	483	446	415
600	800	2000	575	517	473	581	547	489
600	1000	2000	649	618	549	659	619	571
650	300	2000	312	283	262	356	357	318
650	400	2000	379	357	313	404	387	372
650	600	2000	476	446	423	513	473	439
800	300	2000	375	374	338	409	397	386
800	400	2000	424	410	398	466	444	424
800	500	2000	486	461	442	537	501	471
800	600	2000	556	517	487	581	566	521
800	800	2000	649	627	579	669	638	612
800	1000	2000	736	697	669	762	712	670
850	300	2000	391	383	373	430	416	404
850	400	2000	444	428	417	492	468	447
850	600	2000	585	542	510	600	582	551
850	800	2000	668	645	608	691	659	631
850	1000	2000	758	717	688	789	736	691
1000	300	2000	438	429	423	499	481	466
1000	400	2000	505	486	471	553	550	522
1000	500	2000	589	554	528	607	594	589
1000	600	2000	629	617	584	658	638	620
1000	800	2000	724	697	679	762	723	690
1000	1000	2000	826	779	744	875	812	759
1100	300	2000	469	458	451	527	527	509
1100	400	2000	551	528	511	584	576	568
1100	600	2000	662	648	641	699	676	656
1100	800	2000	763	733	713	812	769	732
1100	1000	2000	874	822	783	939	867	807
1200	300	2000	510	497	488	557	553	549
1200	400	2000	586	580	559	622	612	604
1200	500	2000	641	634	630	683	666	651
1200	600	2000	694	680	672	742	717	694
1200	800	2000	803	771	748	866	818	776
1200	1000	2000	926	868	824	1009	927	860
1350	300	2000	562	562	550	604	599	594
1350	400	2000	628	625	626	677	666	655
1350	600	2000	746	729	719	811	781	755
1350	800	2000	868	830	803	955	898	849
1350	1000	2000	1010	942	891	1129	1029	948
425	800	2200	498	444	404	516	459	409
600	800	2200	580	543	487	592	562	511
650	800	2200	600	575	514	615	583	546
800	800	2200	668	640	613	695	657	624
850	800	2200	689	660	638	722	681	646
1000	800	2200	755	720	695	805	756	715
1100	800	2200	800	762	733	866	810	763
1200	800	2200	849	806	774	932	869	816
1350	800	2200	927	876	838	1044	967	903
425	800	2400	521	464	414	526	485	424
600	800	2400	593	565	507	609	573	541
650	800	2400	615	585	538	635	597	564
800	800	2400	688	653	626	724	677	637
850	800	2400	712	675	647	754	704	662
1000	800	2400	788	744	711	854	792	740
1100	800	2400	842	792	755	927	856	797
1200	800	2400	899	843	801	1.009	927	859
1350	800	2400	993	926	876	1.151	1.047	963

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	257	220	193	313	254	216
300	400	2000	369	302	245	396	353	277
300	600	2000	576	468	398	639	504	416
300	800	2000	724	671	506	734	666	536
300	1000	2000	880	772	664	898	778	718
425	300	2000	374	328	277	419	385	355
425	400	2000	473	423	364	542	472	418
425	500	2000	603	508	441	643	576	484
425	600	2000	689	616	506	711	664	562
425	800	2000	837	761	675	869	779	707
425	1000	2000	1017	902	803	1017	929	808
600	300	2000	511	468	436	639	569	511
600	400	2000	673	580	513	689	661	616
600	500	2000	734	736	612	778	734	695
600	600	2000	815	765	727	869	803	747
600	800	2000	1035	931	851	1046	985	880
600	1000	2000	1168	1112	988	1186	1114	1028
800	300	2000	619	617	558	675	655	637
800	400	2000	700	677	657	769	733	700
800	500	2000	802	761	729	886	827	777
800	600	2000	917	853	804	959	934	860
800	800	2000	1071	1035	955	1104	1053	1010
800	1000	2000	1214	1150	1104	1257	1175	1106
850	300	2000	645	632	615	710	686	667
850	400	2000	733	706	688	812	772	738
850	600	2000	965	894	842	990	960	909
850	800	2000	1102	1064	1003	1140	1087	1041
850	1000	2000	1251	1183	1135	1302	1214	1140
1000	300	2000	688	674	664	783	755	732
1000	400	2000	793	763	739	868	864	820
1000	500	2000	925	870	829	953	933	925
1000	600	2000	988	969	917	1033	1002	973
1000	800	2000	1137	1094	1066	1196	1135	1083
1000	1000	2000	1297	1223	1168	1374	1275	1192
1100	300	2000	736	719	708	827	827	799
1100	400	2000	865	829	802	917	904	892
1100	600	2000	1039	1017	1006	1097	1061	1030
1100	800	2000	1198	1151	1119	1275	1207	1149
1100	1000	2000	1372	1291	1229	1474	1361	1267
1200	300	2000	765	746	732	836	830	824
1200	400	2000	879	870	839	933	918	906
1200	500	2000	962	951	945	1025	999	977
1200	600	2000	1041	1020	1008	1113	1076	1041
1200	800	2000	1205	1157	1122	1299	1227	1164
1200	1000	2000	1389	1302	1236	1514	1391	1290
1350	300	2000	843	843	825	906	899	891
1350	400	2000	942	938	939	1016	999	983
1350	600	2000	1119	1094	1079	1217	1172	1133
1350	800	2000	1302	1245	1205	1433	1347	1274
1350	1000	2000	1515	1413	1337	1694	1544	1422
425	800	2200	896	799	727	929	826	736
600	800	2200	1044	977	877	1066	1012	920
650	800	2200	1080	1035	925	1107	1049	983
800	800	2200	1102	1056	1011	1147	1084	1030
850	800	2200	1137	1089	1053	1191	1124	1066
1000	800	2200	1185	1130	1091	1264	1187	1123
1100	800	2200	1256	1196	1151	1360	1272	1198
1200	800	2200	1274	1209	1161	1398	1304	1224
1350	800	2200	1391	1314	1257	1566	1451	1355
425	800	2400	938	835	745	947	873	763
600	800	2400	1067	1017	913	1096	1031	974
650	800	2400	1107	1053	968	1143	1075	1015
800	800	2400	1135	1077	1033	1195	1117	1051
850	800	2400	1175	1114	1068	1244	1162	1092
1000	800	2400	1237	1168	1116	1341	1243	1162
1100	800	2400	1322	1243	1185	1455	1344	1251
1200	800	2400	1349	1265	1202	1514	1391	1289
1350	800	2400	1490	1389	1314	1727	1571	1445

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	207	177	155	252	204	174
300	400	2000	297	244	197	319	284	223
300	600	2000	464	377	320	515	406	335
300	800	2000	583	541	407	592	537	432
300	1000	2000	709	622	535	724	626	579
425	300	2000	302	264	223	338	310	286
425	400	2000	381	341	293	436	380	336
425	500	2000	486	409	355	518	464	390
425	600	2000	555	496	407	573	535	452
425	800	2000	674	613	544	700	628	570
425	1000	2000	819	726	647	819	748	651
600	300	2000	412	377	351	515	458	412
600	400	2000	542	467	413	555	532	496
600	500	2000	592	593	493	626	592	560
600	600	2000	657	616	586	700	647	602
600	800	2000	834	750	686	842	793	709
600	1000	2000	941	896	796	956	898	828
800	300	2000	525	524	473	573	556	540
800	400	2000	594	574	557	652	622	594
800	500	2000	680	645	619	752	701	659
800	600	2000	778	724	682	813	792	729
800	800	2000	909	878	811	937	893	857
800	1000	2000	1030	976	937	1067	997	938
850	300	2000	547	536	522	602	582	566
850	400	2000	622	599	584	689	655	626
850	600	2000	819	759	714	840	815	771
850	800	2000	935	903	851	967	923	883
850	1000	2000	1061	1004	963	1105	1030	967
1000	300	2000	569	558	550	649	625	606
1000	400	2000	657	632	612	719	715	679
1000	500	2000	766	720	686	789	772	766
1000	600	2000	818	802	759	855	829	806
1000	800	2000	941	906	883	991	940	897
1000	1000	2000	1074	1013	967	1138	1056	987
1100	300	2000	610	595	586	685	685	662
1100	400	2000	716	686	664	759	749	738
1100	600	2000	861	842	833	909	879	853
1100	800	2000	992	953	927	1056	1000	952
1100	1000	2000	1136	1069	1018	1221	1127	1049
1200	300	2000	663	646	634	724	719	714
1200	400	2000	762	754	727	809	796	785
1200	500	2000	833	824	819	888	866	846
1200	600	2000	902	884	874	965	932	902
1200	800	2000	1044	1002	972	1126	1063	1009
1200	1000	2000	1204	1128	1071	1312	1205	1118
1350	300	2000	731	731	715	785	779	772
1350	400	2000	816	813	814	880	866	852
1350	600	2000	970	948	935	1054	1015	982
1350	800	2000	1128	1079	1044	1242	1167	1104
1350	1000	2000	1313	1225	1158	1468	1338	1232
425	800	2200	722	644	586	748	666	593
600	800	2200	841	787	706	858	815	741
650	800	2200	870	834	745	892	845	792
800	800	2200	935	896	858	973	920	874
850	800	2200	965	924	893	1011	953	904
1000	800	2200	982	936	904	1047	983	930
1100	800	2200	1040	991	953	1126	1053	992
1200	800	2200	1104	1048	1006	1212	1130	1061
1350	800	2200	1205	1139	1089	1357	1257	1174
425	800	2400	755	673	600	763	703	615
600	800	2400	860	819	735	883	831	784
650	800	2400	892	848	780	921	866	818
800	800	2400	963	914	876	1014	948	892
850	800	2400	997	945	906	1056	986	927
1000	800	2400	1024	967	924	1110	1030	962
1100	800	2400	1095	1030	982	1205	1113	1036
1200	800	2400	1169	1096	1041	1312	1205	1117
1350	800	2400	1291	1204	1139	1496	1361	1252

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	200	171	150	244	197	168
300	400	2000	287	235	190	308	274	216
300	600	2000	448	364	309	497	392	323
300	800	2000	563	522	393	571	518	417
300	1000	2000	685	601	517	699	605	559
425	300	2000	291	255	216	326	300	276
425	400	2000	368	329	283	421	367	325
425	500	2000	469	395	343	500	448	377
425	600	2000	536	479	393	553	517	437
425	800	2000	651	592	525	676	606	550
425	1000	2000	791	701	624	791	722	629
600	300	2000	398	364	339	497	442	398
600	400	2000	524	451	399	536	514	479
600	500	2000	571	573	476	605	571	540
600	600	2000	634	595	566	676	624	581
600	800	2000	805	724	662	813	766	685
600	1000	2000	909	865	769	923	867	799
800	300	2000	506	505	456	552	536	521
800	400	2000	572	554	537	629	599	572
800	500	2000	656	622	597	725	676	636
800	600	2000	751	698	657	784	764	703
800	800	2000	876	846	782	903	861	826
800	1000	2000	994	941	903	1029	961	905
850	300	2000	528	517	504	581	562	545
850	400	2000	599	578	563	664	632	603
850	600	2000	790	732	689	810	786	744
850	800	2000	902	871	821	933	890	852
850	1000	2000	1023	968	929	1065	994	933
1000	300	2000	548	536	529	624	601	583
1000	400	2000	631	608	589	691	688	653
1000	500	2000	736	693	660	759	743	736
1000	600	2000	786	771	730	823	798	775
1000	800	2000	905	871	849	953	904	863
1000	1000	2000	1033	974	930	1094	1015	949
1100	300	2000	586	573	564	659	659	636
1100	400	2000	689	660	639	730	720	710
1100	600	2000	828	810	801	874	845	820
1100	800	2000	954	916	891	1015	961	915
1100	1000	2000	1093	1028	979	1174	1084	1009
1200	300	2000	638	621	610	696	691	686
1200	400	2000	733	725	699	778	765	755
1200	500	2000	801	793	788	854	833	814
1200	600	2000	868	850	840	928	896	868
1200	800	2000	1004	964	935	1083	1023	970
1200	1000	2000	1158	1085	1030	1261	1159	1075
1350	300	2000	703	703	688	755	749	743
1350	400	2000	785	781	783	846	833	819
1350	600	2000	933	911	899	1014	976	944
1350	800	2000	1085	1038	1004	1194	1123	1061
1350	1000	2000	1263	1178	1114	1411	1286	1185
425	800	2200	697	622	566	722	643	573
600	800	2200	812	760	682	829	787	715
650	800	2200	840	805	720	861	816	764
800	800	2200	935	896	858	973	920	874
850	800	2200	965	924	893	1011	953	904
1000	800	2200	1057	1008	973	1127	1058	1001
1100	800	2200	1120	1067	1026	1212	1134	1068
1200	800	2200	1189	1128	1084	1305	1217	1142
1350	800	2200	1298	1226	1173	1462	1354	1264
425	800	2400	729	650	580	736	679	594
600	800	2400	830	791	710	853	802	757
650	800	2400	861	819	753	889	836	790
800	800	2400	963	914	876	1014	948	892
850	800	2400	997	945	906	1056	986	927
1000	800	2400	1103	1042	995	1196	1109	1036
1100	800	2400	1179	1109	1057	1298	1198	1116
1200	800	2400	1259	1180	1121	1413	1298	1203
1350	800	2400	1390	1296	1226	1611	1466	1348

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	193	165	144	235	190	162
300	400	2000	277	227	184	297	265	208
300	600	2000	432	351	298	479	378	312
300	800	2000	543	504	379	551	500	402
300	1000	2000	660	579	498	674	583	539
425	300	2000	281	246	208	315	289	266
425	400	2000	355	317	273	406	354	313
425	500	2000	452	381	331	482	432	363
425	600	2000	517	462	379	533	498	421
425	800	2000	628	571	506	652	585	531
425	1000	2000	763	676	602	763	697	606
600	300	2000	383	351	327	479	427	383
600	400	2000	505	435	385	517	495	462
600	500	2000	551	552	459	583	551	521
600	600	2000	612	574	545	652	602	560
600	800	2000	776	698	639	784	738	660
600	1000	2000	876	834	741	890	836	771
800	300	2000	488	486	439	532	516	502
800	400	2000	551	533	517	606	577	551
800	500	2000	632	599	575	698	651	612
800	600	2000	723	672	633	755	736	677
800	800	2000	844	815	753	870	829	796
800	1000	2000	957	906	870	991	926	871
850	300	2000	508	498	485	559	541	525
850	400	2000	577	556	542	640	608	581
850	600	2000	761	705	663	780	757	716
850	800	2000	868	839	790	898	857	820
850	1000	2000	985	932	894	1026	957	898
1000	300	2000	526	515	508	599	577	559
1000	400	2000	606	583	565	664	660	626
1000	500	2000	707	665	634	728	713	707
1000	600	2000	755	740	701	790	766	744
1000	800	2000	869	836	815	914	868	828
1000	1000	2000	991	935	893	1050	974	911
1100	300	2000	563	550	541	632	632	611
1100	400	2000	661	634	613	701	691	682
1100	600	2000	794	778	769	839	811	787
1100	800	2000	916	880	856	974	923	878
1100	1000	2000	1049	986	940	1127	1040	968
1200	300	2000	612	596	586	668	664	659
1200	400	2000	703	696	671	746	734	725
1200	500	2000	769	761	756	820	799	781
1200	600	2000	833	816	806	890	860	833
1200	800	2000	964	925	898	1039	982	931
1200	1000	2000	1111	1042	989	1211	1112	1032
1350	300	2000	674	674	660	725	719	713
1350	400	2000	754	750	751	812	799	786
1350	600	2000	895	875	863	973	937	906
1350	800	2000	1042	996	964	1146	1078	1019
1350	1000	2000	1212	1130	1069	1355	1235	1138
425	800	2200	672	599	545	697	620	552
600	800	2200	783	733	657	799	759	690
650	800	2200	810	776	694	830	787	737
800	800	2200	902	864	828	938	887	842
850	800	2200	930	891	861	975	919	872
1000	800	2200	1019	972	938	1087	1021	965
1100	800	2200	1080	1029	990	1169	1094	1030
1200	800	2200	1146	1088	1045	1258	1173	1102
1350	800	2200	1251	1183	1131	1409	1305	1219
425	800	2400	703	626	559	710	655	572
600	800	2400	801	763	684	822	774	730
650	800	2400	830	790	726	857	806	761
800	800	2400	929	882	845	977	914	860
850	800	2400	961	911	873	1018	950	894
1000	800	2400	1064	1004	960	1153	1069	999
1100	800	2400	1137	1069	1019	1251	1156	1076
1200	800	2400	1214	1138	1081	1362	1251	1160
1350	800	2400	1341	1250	1183	1554	1413	1300

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	71	61	54	87	70	60
300	400	2000	102	84	67	110	98	77
300	600	2000	159	130	110	177	139	115
300	800	2000	200	186	140	203	184	148
300	1000	2000	243	214	184	248	215	199
425	300	2000	104	91	77	117	107	99
425	400	2000	131	117	101	150	130	115
425	500	2000	167	141	122	178	160	134
425	600	2000	191	170	140	197	184	155
425	800	2000	232	211	187	241	216	195
425	1000	2000	281	250	222	282	257	224
600	300	2000	142	130	121	177	158	142
600	400	2000	186	160	142	191	183	170
600	500	2000	204	204	170	216	203	193
600	600	2000	226	212	201	240	222	207
600	800	2000	286	257	236	289	272	244
600	1000	2000	323	308	273	328	308	284
650	300	2000	155	141	130	177	178	158
650	400	2000	189	178	156	201	193	185
650	600	2000	237	222	211	256	235	219
800	300	2000	187	186	169	204	198	192
800	400	2000	211	204	208	232	221	211
800	500	2000	242	230	221	268	250	235
800	600	2000	277	257	243	289	282	259
800	800	2000	323	312	288	333	318	305
800	1000	2000	367	347	333	379	355	333
850	300	2000	195	191	186	214	208	202
850	400	2000	221	213	208	254	233	223
850	600	2000	291	270	254	299	290	274
850	800	2000	333	321	303	344	328	314
850	1000	2000	378	357	342	393	367	344
1000	300	2000	219	214	211	249	240	232
1000	400	2000	252	242	235	275	274	260
1000	500	2000	294	276	263	303	296	294
1000	600	2000	313	308	291	328	318	309
1000	800	2000	361	347	338	379	360	344
1000	1000	2000	412	388	371	436	404	378
1100	300	2000	234	229	225	263	263	254
1100	400	2000	275	263	255	292	287	283
1100	600	2000	330	323	319	348	337	327
1100	800	2000	380	365	355	404	383	365
1100	1000	2000	436	410	390	468	432	402
1200	300	2000	254	248	244	278	276	274
1200	400	2000	292	289	279	310	305	301
1200	500	2000	320	316	314	341	332	325
1200	600	2000	346	339	335	370	357	346
1200	800	2000	400	384	373	431	407	387
1200	1000	2000	461	432	411	503	462	428
1350	300	2000	280	280	274	301	299	296
1350	400	2000	313	312	312	338	332	327
1350	600	2000	372	363	358	404	389	376
1350	800	2000	433	414	400	476	447	423
1350	1000	2000	504	469	444	562	513	472
425	800	2200	248	221	201	257	229	204
600	800	2200	289	271	243	295	280	255
650	800	2200	299	287	256	307	291	272
800	800	2200	333	319	305	347	328	311
850	800	2200	344	329	318	360	340	322
1000	800	2200	376	359	346	401	377	356
1100	800	2200	399	380	366	432	404	381
1200	800	2200	423	402	386	465	433	407
1350	800	2200	462	437	418	521	482	450
425	800	2400	260	231	207	263	242	211
600	800	2400	295	281	253	304	286	270
650	800	2400	307	292	268	317	298	281
800	800	2400	343	326	312	361	338	318
850	800	2400	355	337	323	376	351	330
1000	800	2400	393	371	355	426	395	369
1100	800	2400	420	395	377	462	427	398
1200	800	2400	448	420	400	503	462	428
1350	800	2400	495	462	437	574	522	480

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	128	110	97	156	127	108
300	400	2000	184	151	121	198	176	139
300	600	2000	286	234	198	319	250	207
300	800	2000	360	335	252	365	331	266
300	1000	2000	437	385	331	446	387	358
425	300	2000	187	164	139	210	192	177
425	400	2000	236	211	182	270	234	207
425	500	2000	301	253	220	321	288	241
425	600	2000	344	306	252	355	331	279
425	800	2000	418	380	337	434	389	351
425	1000	2000	506	450	400	508	463	403
600	300	2000	255	234	218	319	284	255
600	400	2000	335	288	256	344	329	306
600	500	2000	366	367	306	388	366	347
600	600	2000	407	382	362	432	400	373
600	800	2000	515	463	425	520	490	439
600	1000	2000	581	554	491	590	554	511
800	300	2000	309	308	279	336	326	317
800	400	2000	348	337	343	383	365	348
800	500	2000	400	379	364	442	413	388
800	600	2000	457	424	401	477	465	427
800	800	2000	533	515	475	549	525	503
800	1000	2000	606	573	549	625	586	549
850	300	2000	322	316	307	354	343	333
850	400	2000	365	351	343	419	384	368
850	600	2000	480	446	419	493	479	452
850	800	2000	549	530	500	568	541	518
850	1000	2000	624	589	564	648	606	568
1000	300	2000	343	336	332	391	377	365
1000	400	2000	396	380	369	432	430	408
1000	500	2000	461	434	414	476	465	461
1000	600	2000	491	484	457	515	499	485
1000	800	2000	567	545	531	595	565	540
1000	1000	2000	647	609	582	685	634	593
1100	300	2000	367	359	353	413	413	398
1100	400	2000	431	413	400	458	451	445
1100	600	2000	518	507	501	546	529	513
1100	800	2000	597	573	557	634	601	573
1100	1000	2000	685	644	612	735	678	631
1200	300	2000	381	372	365	417	414	411
1200	400	2000	438	433	418	466	458	452
1200	500	2000	480	474	471	511	498	487
1200	600	2000	519	509	503	555	536	519
1200	800	2000	600	576	560	647	611	581
1200	1000	2000	692	648	617	755	693	642
1350	300	2000	421	420	412	452	448	445
1350	400	2000	470	468	468	507	498	490
1350	600	2000	558	545	537	606	584	564
1350	800	2000	650	621	600	714	671	635
1350	1000	2000	756	704	666	843	770	708
425	800	2200	446	398	362	463	412	367
600	800	2200	520	488	437	531	504	459
650	800	2200	538	517	461	553	524	490
800	800	2200	549	526	503	573	541	513
850	800	2200	568	543	525	594	561	531
1000	800	2200	590	564	543	630	592	559
1100	800	2200	626	597	575	678	634	598
1200	800	2200	635	603	579	698	650	611
1350	800	2200	693	656	627	782	723	675
425	800	2400	468	416	373	473	436	380
600	800	2400	531	506	455	547	515	486
650	800	2400	553	526	482	571	536	506
800	800	2400	566	538	515	596	558	525
850	800	2400	586	556	533	620	579	545
1000	800	2400	617	582	557	669	620	579
1100	800	2400	659	620	592	725	670	625
1200	800	2400	672	630	600	755	693	642
1350	800	2400	743	693	656	861	783	720

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	103	88	78	126	102	87
300	400	2000	148	122	97	160	142	112
300	600	2000	231	189	160	257	202	167
300	800	2000	290	270	203	294	267	215
300	1000	2000	352	310	267	360	312	289
425	300	2000	151	132	112	169	155	143
425	400	2000	190	170	146	218	189	167
425	500	2000	242	204	177	258	232	194
425	600	2000	277	247	203	286	267	225
425	800	2000	336	306	271	349	313	283
425	1000	2000	407	363	322	409	373	325
600	300	2000	206	188	175	257	228	206
600	400	2000	270	232	206	277	265	247
600	500	2000	295	296	246	313	295	279
600	600	2000	328	307	291	348	322	300
600	800	2000	415	373	342	419	394	354
600	1000	2000	468	447	396	476	447	412
800	300	2000	262	261	236	285	277	269
800	400	2000	295	286	291	325	309	295
800	500	2000	339	322	309	375	350	329
800	600	2000	388	360	340	405	395	363
800	800	2000	452	437	403	466	445	427
800	1000	2000	514	486	466	531	497	466
850	300	2000	273	268	260	300	291	283
850	400	2000	309	298	291	356	326	312
850	600	2000	407	378	356	419	406	384
850	800	2000	466	449	424	482	459	440
850	1000	2000	529	500	479	550	514	482
1000	300	2000	284	278	275	324	312	302
1000	400	2000	328	315	306	358	356	338
1000	500	2000	382	359	343	394	385	382
1000	600	2000	407	400	378	426	413	402
1000	800	2000	469	451	439	493	468	447
1000	1000	2000	536	504	482	567	525	491
1100	300	2000	304	297	293	342	342	330
1100	400	2000	357	342	331	379	373	368
1100	600	2000	429	420	415	452	438	425
1100	800	2000	494	475	462	525	498	475
1100	1000	2000	567	533	507	608	562	523
1200	300	2000	330	322	317	362	359	356
1200	400	2000	380	376	362	403	397	391
1200	500	2000	416	411	409	443	432	422
1200	600	2000	450	441	436	481	464	450
1200	800	2000	520	499	485	560	529	503
1200	1000	2000	599	562	534	654	601	556
1350	300	2000	364	364	357	392	388	385
1350	400	2000	407	405	406	439	432	425
1350	600	2000	484	472	465	525	506	489
1350	800	2000	563	538	520	619	581	550
1350	1000	2000	655	610	577	731	667	614
425	800	2200	360	320	291	373	332	296
600	800	2200	419	393	352	428	406	370
650	800	2200	434	416	371	445	422	394
800	800	2200	466	447	427	486	459	435
850	800	2200	482	461	445	504	476	451
1000	800	2200	489	467	450	521	490	463
1100	800	2200	519	494	476	562	525	495
1200	800	2200	550	523	502	605	563	529
1350	800	2200	601	568	543	677	627	585
425	800	2400	377	335	300	381	351	306
600	800	2400	428	407	367	441	415	392
650	800	2400	445	423	389	460	432	407
800	800	2400	480	456	437	505	473	445
850	800	2400	497	472	452	526	491	462
1000	800	2400	511	482	462	554	514	480
1100	800	2400	546	514	490	601	555	517
1200	800	2400	582	546	520	654	601	556
1350	800	2400	644	601	568	746	679	624

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	100	85	75	122	99	84
300	400	2000	143	118	94	154	137	108
300	600	2000	223	182	154	248	195	161
300	800	2000	280	260	196	284	258	207
300	1000	2000	340	300	258	347	301	279
425	300	2000	146	128	108	163	149	138
425	400	2000	183	164	141	210	182	161
425	500	2000	234	197	171	249	224	188
425	600	2000	267	238	196	276	258	217
425	800	2000	325	295	262	337	302	273
425	1000	2000	393	350	311	395	360	314
600	300	2000	199	182	169	248	221	199
600	400	2000	260	224	199	267	256	238
600	500	2000	285	286	238	302	285	270
600	600	2000	316	297	281	336	311	290
600	800	2000	400	360	330	405	381	342
600	1000	2000	452	431	382	459	431	398
800	300	2000	253	252	228	275	267	260
800	400	2000	285	275	281	313	298	285
800	500	2000	327	310	298	362	338	317
800	600	2000	374	347	328	390	381	350
800	800	2000	436	421	389	450	429	412
800	1000	2000	495	468	450	512	479	450
850	300	2000	263	258	251	289	280	272
850	400	2000	298	288	281	343	315	301
850	600	2000	393	365	343	404	392	370
850	800	2000	450	433	409	464	443	424
850	1000	2000	510	482	462	531	495	464
1000	300	2000	273	268	264	311	300	291
1000	400	2000	315	303	294	344	343	325
1000	500	2000	367	346	329	379	370	367
1000	600	2000	391	385	364	410	398	386
1000	800	2000	451	434	423	474	450	430
1000	1000	2000	515	485	464	545	505	473
1100	300	2000	293	286	281	329	329	317
1100	400	2000	343	329	319	364	359	354
1100	600	2000	413	404	399	435	421	409
1100	800	2000	475	456	444	505	479	456
1100	1000	2000	545	513	488	585	540	503
1200	300	2000	318	310	305	348	345	342
1200	400	2000	365	361	349	388	382	376
1200	500	2000	400	395	393	426	415	406
1200	600	2000	433	424	419	463	446	433
1200	800	2000	500	480	466	539	509	484
1200	1000	2000	576	540	514	629	578	535
1350	300	2000	350	350	343	377	373	371
1350	400	2000	392	390	390	422	415	409
1350	600	2000	465	454	448	505	486	470
1350	800	2000	541	518	500	595	559	529
1350	1000	2000	630	586	555	703	641	590
425	800	2200	347	309	281	360	321	286
600	800	2200	405	379	340	413	392	357
650	800	2200	419	402	358	430	407	381
800	800	2200	466	447	427	486	459	435
850	800	2200	482	461	445	504	476	451
1000	800	2200	526	503	484	561	528	498
1100	800	2200	559	532	512	605	566	533
1200	800	2200	592	563	540	651	606	570
1350	800	2200	647	612	585	729	675	630
425	800	2400	364	323	290	368	339	295
600	800	2400	413	393	354	426	400	378
650	800	2400	430	409	375	444	417	393
800	800	2400	480	456	437	505	473	445
850	800	2400	497	472	452	526	491	462
1000	800	2400	550	519	497	596	553	517
1100	800	2400	588	553	528	647	598	557
1200	800	2400	627	588	560	704	647	599
1350	800	2400	693	647	612	804	731	672

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	96	82	72	117	95	81
300	400	2000	138	113	90	149	132	104
300	600	2000	215	176	149	239	188	155
300	800	2000	270	251	189	274	248	200
300	1000	2000	328	289	248	335	290	269
425	300	2000	140	123	104	157	144	133
425	400	2000	177	158	136	203	176	155
425	500	2000	226	190	165	240	216	181
425	600	2000	258	230	189	266	248	209
425	800	2000	313	285	252	325	292	263
425	1000	2000	379	338	300	381	347	302
600	300	2000	192	175	163	239	213	192
600	400	2000	251	216	192	258	247	230
600	500	2000	275	275	229	291	274	260
600	600	2000	305	286	271	324	300	279
600	800	2000	386	347	319	390	367	329
600	1000	2000	436	416	369	443	416	383
800	300	2000	243	242	219	265	257	250
800	400	2000	274	265	270	302	287	274
800	500	2000	315	299	287	348	325	305
800	600	2000	360	334	316	376	367	337
800	800	2000	420	406	374	433	413	397
800	1000	2000	477	451	433	493	462	433
850	300	2000	253	249	242	279	270	262
850	400	2000	287	277	270	330	303	290
850	600	2000	378	351	330	389	377	356
850	800	2000	433	417	394	447	426	408
850	1000	2000	491	464	445	511	477	447
1000	300	2000	262	257	253	299	288	279
1000	400	2000	302	290	282	330	329	312
1000	500	2000	352	332	316	364	355	352
1000	600	2000	376	370	349	394	382	371
1000	800	2000	433	416	406	455	432	413
1000	1000	2000	494	466	445	523	485	454
1100	300	2000	281	274	270	316	316	304
1100	400	2000	330	316	306	350	345	340
1100	600	2000	396	388	383	418	404	392
1100	800	2000	456	438	426	485	460	438
1100	1000	2000	523	492	468	562	518	482
1200	300	2000	305	297	292	334	331	329
1200	400	2000	351	347	335	372	366	361
1200	500	2000	384	379	377	409	399	390
1200	600	2000	415	407	402	444	428	415
1200	800	2000	480	461	448	517	488	464
1200	1000	2000	553	518	493	604	554	514
1350	300	2000	336	336	329	362	358	356
1350	400	2000	376	374	375	405	398	392
1350	600	2000	446	436	430	485	467	451
1350	800	2000	520	497	480	571	536	508
1350	1000	2000	605	563	533	674	616	566
425	800	2200	335	298	271	347	309	275
600	800	2200	390	366	328	398	378	344
650	800	2200	404	387	346	414	393	367
800	800	2200	450	431	412	468	443	420
850	800	2200	464	444	429	486	459	435
1000	800	2200	508	485	467	541	509	481
1100	800	2200	539	513	494	583	545	514
1200	800	2200	571	543	521	628	585	549
1350	800	2200	624	590	564	703	651	608
425	800	2400	351	312	279	355	327	285
600	800	2400	398	379	342	410	386	365
650	800	2400	414	394	362	428	402	379
800	800	2400	463	440	421	487	456	429
850	800	2400	479	455	436	508	474	446
1000	800	2400	531	501	479	575	533	498
1100	800	2400	567	533	509	624	576	537
1200	800	2400	605	567	540	679	624	578
1350	800	2400	668	624	590	775	705	648

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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Planning notes on weights

Weights for fully equipped distribution sections

All weight details are based on weights of representative sample sections.

Incoming supply sections/Outgoing sections with IZM circuit breakers

XP	1600 A	280 kg
	2500 A	360 kg
	3200 A	550 kg
	4000 A	650 kg
	5000 A	1000 kg

Outgoing sections

XF	500 kg
XF (SL)	350 kg
XR (PIFT)	700 kg
XW	700 kg

Further information - project checklist

Project: .....

Project number: .....

Name of switchgear system: .....

Date: .....

Customer: .....

Planner: .....

Phone: .....

e-mail: .....

Place of installation: .....

Type of company: .....

Ambient temperature:	☐ 35°C	☐
Standards:	☐ IEC/EN 60439-1	☐ IEC/EN 61439-2
Rated operational voltage:	☐ 400 V	☐ V
Frequency:	☐ 50 Hz	☐ ..... Hz

Transformer power: ..... kVA

Rated incoming current: ..... A

Rated short-time withstand current of the main busbars I_{cw} (1 s) ..... kA

.....

Degree of protection: ☐ IP31 ☐ IP55

Internal separation: Form .....

With bottom panels: ☐ yes ☐ no

Network system configuration: ☐ TN-C ☐ TN-S ☐ TN-C-S ☐ TT ☐ IT

☐ half ☐ full

Control voltage AC: V

☐ external ☐ internal ..... kVA

Control voltage DC: V

☐ external ☐ internal ..... kVA

Control wiring ..... mm²

Wire end labels .....

Space reserves ..... %

Max. permitted distribution system dimensions W x H x D ..... mm

Room height ..... mm

Max. transport dimensions W x H x D ..... mm

Arc fault protection ☐ conventional

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Further information - tender text

· Ready to connect, steel-encapsulated low-voltage switchgear system in multiple control panel design with type-tested installation systems to ICE/EN 60439-1 (VDE 0660 part 500).
Low-voltage switchgear assemblies design-verified according to IEC/EN 61439-2 (VDE 0660 part 600-2).

· The following descriptions are calculation-related and contractual elements. They are to be considered with the descriptions of the individual systems and the equipment, even when they are not mentioned in detail.

· Cabinet systems consisting of individual add-on sections of the same type in torsion-resistant steel profile design, made of electrolytically galvanized 2 mm thick steel sections, with internal pre-drilled holes at 25 mm intervals to DIN 43660, structured powder spray paint RAL 7035 light grey.

· Removable external panelling, made of 1.5 mm electrolytically galvanized sheet steel, structured powder spray paint RAL 7035 light grey.

· All construction parts for internal setup are hot-galvanized and feature pre-drilled holes at 25 mm intervals to DIN 43660.

· Plinth 100/200 mm high, electrolytically galvanized, powder-coated in RAL 7035 light grey, with removable front, side and rear panels. The plinth must be suitable for direct transport with the respective tools.

· Switchboard cabinets accessible from the front through inlying doors with external hinges. 180° door opening angle. Door lock with espagnolette lock, 4 point locking and two-way key bit lock. To be actuated with a clip-down handle for half cylinder safety lock.

· Degree of protection:	IP31 to DIN EN 60529 IP55 with sealed door
· Protective measures:	with protective conductor, protection class I
· Rated insulation voltage:	690 V
· Overvoltage category:	III
· Degree of pollution:	3
· Rated operational voltage:	 V
· Frequency:	. . . . . Hz
· Control voltage AC/DC:	 V
· Busbar rated current:	. . . . . A
· Rated short-time withstand current I_{cw}	. . . . . kA/s
· Network system configuration	. . . . .
· Busbars (number), conductor labelling	. . . . .
· Max. dimensions allowed	
	Width . . . . .
	Height. . . . .
	Depth . . . . .
· Largest transport unit allowed	
	Width . . . . .
	Height. . . . .
	Depth . . . . .

· All transport units feature removable lifting eyebolts.

· Equipment of the switchgear system with the following components, fixed installation method:

. . . . . .
. . . . . .
. . . . . .
. . . . . .
. . . . . .

Fully assembled switchgear system described above, ready to connect and prewired, subject to 100% ex-factory test to IEC/EN 60439 part 1. The test protocol is part of the documentation.
(Wiring/connection certificate according to IEC/EN 61439-2)

· Manufactured by	Eaton
· Type	xEnergy Main

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Further informationen - the new EN 61439 standard

Revised and restructured IEC EN 60439 standard in IEC-EN61439:

The former IEC EN 60439-1 has been divided into 2 new parts:

IEC EN 61439-1 (= VDE 0660 - 600 -1): Low-voltage switchgear and controlgear assemblies - General rules (harmonized basic part)
IEC EN 61439-2 (= VDE 0660 - 600 -2): Power switchgear and controlgear assemblies (separate product section)

Further product parts are being developed (Part 3: Distribution boards; Part 4: Assemblies for construction sites; Part 5: Assemblies for power distribution; Part 6: Busbar trunking systems)

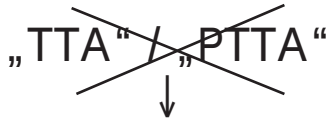
(Publication and validity of the new IEC standard as of 01-2009 / new DIN EN as of 10-2009)

Why the change?

The same technical requirements should apply to all applications / products.
The intention is to define a systematic way of covering the entire product range (topic of TTA/PTTA).
Current „grey areas“ in the EN60439 standard should be replaced by a clearer and more concise description.

Most important changes:

➢ Elimination of the discrimination between:



Type-tested switchgear assemblies (SA) -->
Conformity to the standard through a defined verification of satisfying design rules

Definition of an Assembly:
A combination of one or more low-voltage switching devices together with associated control, measuring, signalling, protective, regulating equipment , with all the internal electrical and mechanical interconnections and structural parts.

A low-voltage switchgear and controlgear Assembly is used to distribute and control energy for all types of loads, intended mainly for industrial and commercial applications where access is normally limited to skilled or instructed persons.

➢ Shared product liability
(clear discrimination between original manufacturer and the manufacturer of switchgear and controlgear assemblies):

2 types of verification:

a) DESIGN VERIFICATION (corresponds to the current type-test):

Verification on samples of a switchgear and controlgear assembly or on parts thereof to demonstrate that the design meets the requirements of the standard.

Uniform methods have been defined for the standard-based verification process for all kinds of switchgear and controlgear assemblies, graded by classification.

The switchgear and controlgear assembly (switchgear system) is considered as a „Black Box“ with defined requirements for the existing interfaces.

Design verification can be carried out by:

-) Testing

-) Calculation

-) Application of design rules

There is a clear description of tests and verifications to be performed for each switchgear and controlgear assembly.

The standard also includes limits of application and restrictions for verificationmethods that do not include testing (extract from IEC EN 61439-1):

Table D.1 - List of design verifications to be performed

Nr.	Characteristics to be verified	Clauses or subclauses	Verification options available		
			Verification by testing	Verification by calculation	Verification by design rules
1	Strength of material and parts	10.2			
	Resistance to corrosion	10.2.2	YES	NO	NO
	Properties of insulating materials:	10.2.3			
	Thermal stability	10.2.3.1	YES	NO	NO
	Resistance of insulating materials to normal heat	10.2.3.2	YES	NO	NO
	Resistance to abnormal heat and fire due to internal electric effects	10.2.3.3	YES	NO	NO
	Resistance to ultra-violet (UV) radiation	10.2.4	YES	NO	NO
	Lifting	10.2.5	YES	NO	NO
	Mechanical impact	10.2.6	YES	NO	NO
	Marking	10.2.7	YES	NO	NO
2	Degree of protection of enclosures	10.3	YES	NO	YES
3	Clearances and creepage distances	10.4	YES	YES	YES
4	Protection against electric shock and integrity of protective circuits:	10.5			
	Effective continuity between the exposed conductive parts of the ASSEMBLY and the protective circuit	10.5.2	YES	NO	NO
	Effectiveness of the assembly for external faults	10.5.3	YES	YES	YES
5	Incorporation of switching devices and components	10.6	NO	NO	YES
6	Internal electrical circuits and components	10.7	NO	NO	YES
7	Terminals for external conductors	10.8	NO	NO	YES
8	Dielectric properties:	10.9			
	Power-frequency withstand voltage	10.9.2	YES	NO	NO
	Impulse withstand voltage	10.9.3	YES	NO	YES
9	Temperature-rise limits	10.10	YES	YES	YES
10	Short-circuit withstand strength	10.11	YES	YES	YES
11	Electromagnetic compatibility (EMC)	10.12	YES	NO	YES
12	Mechanical operation	10.13	YES	NO	NO

Further information - the new EN 61439 standard

The choice of the verification option is the responsibility of the manufacturer
The type of verification is of minor importance for the customer.

The DESIGN VERIFICATION is to be produced by the original manufacturer, (the company that has developed the switchgear system), i. e. by EATON.

It includes the:

1) Design
   10.2) Strength of material and parts
   10.3) Degree of protection of enclosures
   10.4) Clearances and creepage distances
   10.5) Protection against electric shock
   10.6) Incorporation of switching devices and components
   10.7) Internal electrical circuits and connections
   10.8) Terminals for external conductors

2) Characteristics
   10.9) Dielectric properties
   10.10) Temperature-rise limits
   10.11) Short-circuit withstand strength
   10.12) Electromagnetic compatibility (EMC)
   10.13) Mechanical operation

b) ROUTINE VERIFICATION (corresponds to what today is referred to as routine test):

It has to be produced by the manufacturer of the switchgear and controlgear assembly (organization that assumes the resonisibility for the finished switchgear and controlgear assembly and it represents the verification that the system, after it has been assembled, meets the requirements of the original manufacturer.

It includes:

1) Design rules:
   a) Degree of protection of enclosures;
   b) Clearances and creepage distances;
   c) Protection against electric shock and integrity of protective circuits;
   d) Incorporation of switching devices and components;
   e) Internal electrical circuits and connections;
   f) Terminals for external conductors;
   g) Mechanical operation.

2) Characteristics (See 11.9 to 11.10):
   a) Dielectric properties;
   b) Wiring, operational behavior and functioning.

➢ Degree of protection through enclosures of switchgear assemblies

Enclosure requirements have been adopted from other standards, e.g.

- Protection against mechanical impact
- Protection against contact with live parts
- Protection against the ingress of solid bodies
- Protection against the ingress of liquids
- IP code for set-up in indoor areas
- Degree of protection for closed design
- Degree of protection for operating front
- Degree of protection for removable components in operating position

In case you use enclosures (switchboard cabinets / enclosures) that have been type-tested according to a relevant product standard (see IEC 62 208 among others), no additional tests are required and the results can be adopted.

Validity of type-tests acc. to EN60439:

Where switchgear and controlgear assemblies tests have been conducted according to IEC60439 prior to the publication of the new product standard and the test results fulfill the requirements of the appropriate parts of the new IEC61439, the verification of these requirements need not to be repeated.

Conclusion:

Type-tested assemblies don't seem to exist anymore. Or do they still exist?

Tests will be carried out in the future too. But they will not be considered as a typical classification feature anymore.
The categories of "type-tested assemblies" and "partially type-tested assemblies" have been discarded completely.
There will only be assemblies conforming to the applicable product standard, in our case: IEC 61 439 - 1 and - 2

1. In the future, the test lab will issue a „Verification Report" confirming that the assembly complies with the applicable product standard

2. The assembly manufacturer (panel builder) will issue, like in the past, a „Certification of Conformity" for each of his (individual / application-related) completed assembly.

Stücknachweis
Routine verification

Firmenlogo/
company logo

Das Produkt/
The product

xEnergy

Hersteller/ Panel Builder:

_____

Beschreibung: Serienmäßig typgeprüftes Baukastensystem zur Herstellung von formunterteilten Niederspannungs- Schaltgerätekombinationen, nach den technischen Richtlinien und IL's (Instruction Leaflets) BA's (Bauanweisungen) der Fa. EATON Gmbh projektiert, hergestellt und stückgeprüft.

Description: Serial type tested kit system for manufacturing of separated low voltage switch gear and control gear assemblies according to the technical specifications and assembly guides IL's (instruction leaflet) an BA's (Bauanweisungen) of company EATON Gmbh configurated, manufactured and routine-tested.

Norm Dokument:
Standard Document:

IEC61439 - 1 :2009
IEC61439 - 2 :2009

Auswahl, Konfiguration, Montage und Prüfung erfolgten unter Einhaltung der Vorgaben der EATON Gmbh gemäß nachstehender Dokumentation:
xEnergy Katalog, Technische Buch, IL's – Instruction Leaflets, BA's – Bauanweisungen

Selection, configuration, assembly and testing in according with specifications or EATON Gmbh as stated in the following documentation: xEnergy catalogue, technical guide, IL's – Instruction Leaflet's, BA's – Bauanweisungen

Nachfolgend aufgeführter Stücknachweis wurden gemäß IEC 61439-1 und IEC 61439-2 ausgeführt.
Following routine verifications are done in accordance to IEC 61439-1 and IEC 61439-2.

Anmerkung/ Remark:
Stücknachweise brauchen an in der Schaltgerätekombination eingebauten Geräten und an für sich allein verwendbaren Baugruppen nicht durchgeführt werden, wenn sie nach 8.5.3 (aus IEC 61439-1) ausgewählt und nach Anweisungen des Geräteherstellers eingebaut wurden.
Routine verification is not required tob e carried out on devices and self-contained components incorporated in the Assembly when thy have been selected in accordance with 8.5.3 (of IEC 61439-1) and installed in accordance with the instructions of the device manufacturer.

Beschreibung Description	Prüfvorgabe Target test result	Prüfergebnis Test result	Prüfer Test person	Datum date
Hinweis gemäß 11.2 Schutzart von Umhüllungen (nur Stichproben) Verification acc. 11.2 degree of protection of enclosures (only visual inspection)	IP____	IP____		
Nachweis gemäß11.3 Luft- und Kriechstrecken. Physikalische Messung oder Prüfung der Stoßspannungsfestigkeit übereinstimmend mit 10.9.3 Verification acc. 11.3 clearances and creepage distances. Physical measurement or by an impulse voltage test acc. 10.9.3	>=8mm			
Nachweis gem.11.4 Schutz gegen elektrischen Schlag und Durchgängigkeit des Schutzleiterkreises. Sichtprüfung der Maßnahmen gem. 11.4. Verification acc. 11.4 protection against electric shock and integrity of protective circuits. Visual inspection in acc. to 11.4	o.K.			
Nachweis gem. 11.5 Einbau von Betriebsmitteln. Prüfung der Übereinstimmung den Betriebsmittel der Fertigungsunterlagen. Verification acc. 11.5 Incorporation of built-in components. Built-in components shall be in acc. with assembly manufacturing instructions.	o.K.			
Nachweis gem. 11.6 Innere elektrische Stromkreise. Stichprobenartige Prüfung der Verbindungen und Leiter gem. 11.6 Verification acc. 11.6 internal electrical circuits and connections. Inspection on a random basis for connections and conductors acc. to 11.6	o.K.			

Beschreibung Description	Prüfvorgabe Target test results	Prüfergebnis Test results	Prüfer Test person	Datum date
Nachweis gemäß 11.7 Anschlüsse für von außen eingeführte Leiter. Prüfung der von außen eingeführten Leiter mit den Fertigungsunterlagen gem. 11.7 Verifikation acc. 11.7 terminals for external conductors. Terminals shall be checked in accordance with assembly manufacturing instructions in acc.to 11.7.				
Nachweis gemäß 11.8 mechanischer Funktion. Prüfung der mechanischen Funktionen an der Schaltgerätekombination übereinstimmend mit 10.9.3 Verification acc. 11.8 mechanical operation. Check of mechanical operation at the assembly.	o.K.			
Nachweis gem. 11.9 Isolationseigenschaften. Prüfung gem. 10.9.2 and 11.9 Verification acc. 11.9 dielectric properties. Power-frequency withstand test acc. to 10.9.2 and 11.9	3kV			
Nachweis gem. 11.10 Verdrahtung, Betriebsverhalten und Funktion, Vollständigkeit der Angaben und Kennzeichnung und Funktionsprüfung, ggfs zusätzliches Prüfprotokoll der Funktionsprüfung. Verification acc. 11.10 wiring, operational performance and function. Information and marketing are complete and check of operational functions, if necessary separate test report	o.K.			

Ausstellungsdatum
Date of issue

Name/Funktion/ Unterschrift
name/ function/ signature

_____ _____

Further information - rated/short-circuit currents of standard transformers

Rated voltage U_N	400/230 V			525 V			690/400 V		
Rel. short-circuit voltage U_k		4 %[1]	6 %[2]		4 %[1]	6 %[2]		4 %[1]	6 %[2]
Rated power	Rated current	Short-circuit current[3] I''_k		Rated current	Short-circuit current[3] I''_k		Rated current	Short-circuit current[3] I''_k	
kVA	A	A		A	A		A	A	
400	578	14450	9630	440	11000	7333	336	8336	5568
500	722	18050	12030	550	13750	9166	420	10440	7120
630	909	22750	15166	693	17320	11550	526	1330	8760
800	1156	28900	19260	880	22000	14666	672	16672	11136
1000	1444	36100	24060	1100	27500	18333	840	20840	13920
1250	1805	45125	30080	1375	34375	22916	1050	26060	17480
1600	2312	57800	38530	1760	44000	29333	1330	33300	22300
2000	2888	72200	48120	2200	55000	36666	1680	41680	27840
2500	3612	90300	60200	2752	68800	45866	2094	52350	34900

[1] U_k = 4% standardized to DIN 42500 for S_{NT} = 50...630 kVA

[2] U_k = 6% standardized to DIN 42500 for S_{NT} = 100...1600 kVA

[3] I''_k = Initial symmetrical short-circuit current of transformer for connection to a supply network with unlimited short-circuit capacity

Approximation formula

Transformer rated current

I_N [A] = k x S_{NT} [kVA]

400 V: k = 1.45
500 V: k = 1.1
690 V: k = 0.84

Transformer short-circuit current

$$I''_k = \frac{I_N}{U_k} \times 100$$

Dimensioning of low-voltage switchgear and controlgear assemblies

When rating switchgear and controlgear assemblies with regard to short-circuit withstand strength, the rated short-circuit values basically need to be compared with the short-circuit currents of the incoming power supply. The switchgear and controlgear assembly needs to be rated merely for the short-circuit load which may occur. Busbars need to resist the thermal and dynamic load of the short-circuit currents which may flow in them (e.g. through a circuit breaker on the incoming side, for a limited time). To facilitate the rating, only the rated values of the switchgear and controlgear assembly according to the following scheme are used.

The let-through characteristics of the short-circuit protective device and the attenuation effect of the connection between the transformer and the switchgear and controlgear assembly are thus disregarded.

Rated short-time withstand current
I_{cw} ≥ transformer short-circuit current I''_k

and

Rated peak withstand current
I_{pk} ≥ peak short-circuit current i_p

Where a short-circuit protective device leads to a restriction in the duration of the short-circuit, a rated short-time withstand current can be applied for a correpsonding period of time. Example: incoming supply circuit breaker disconnects short-circuit after 40 ms; an established rated short-time withstand current value for 100 ms is compared with transformer short-circuit current for rating purposes. The rated operational voltage U_e must be the same or greater than the transformer voltage.

Transformer rated current I_N:
$I_N = k \times S_{NT}$
Transformer short-circuit current I''_k:
$I''_k = I_N \times 100/u_{K\%}$
Peak short-circuit current i_p:
$i_p = n \times I''_k$

n = 2.2 at I > 50 kA
n = 2.1 at 20 kA < I ≤ 50 kA

The above described procedure for rating the switchgear and controlgear assembly refers primarily to the rating of main busbar systems. Rating of the dropper bar systems and/or of all connections from the main busbar to the incoming supply side of functional units only need to be rated for the reduced short-circuit load that may occur on the outgoing side of the short-circuit protective device for the functional units. It is a pre-requisite that, under normal operating conditions, a short-circuit is not expected to occur on these dropper bars or connections.

Example:
The transformer short-circuit current I''_k = 90 kA, the selected main busbars have a rated short-time withstand current I_{cw} of 100 kA, the dropper bars, however, have a rated short-time withstand current I_{cw} of 65 kA (because the circuit breaker for the outgoer from the dropper bar has reduced the short-circuit load thanks to its current-limiting effect).

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Further information - internal separation

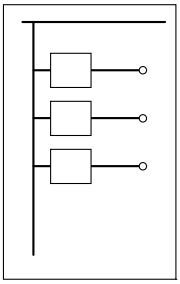
Forms of internal separation acc. to IEC/EN 61439

Low-voltage switchgear and controlgear assemblies can be divided into separate compartments or barriered sub-sections. The aim of forming separate compartments or barriered sub-sections which contain the functional units is:

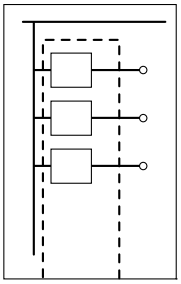
- Protection against direct contact with live parts belonging to an adjacent functional unit (degree of protection shall be IP2X or IP XXB).
- Limitation of the probability of initiating arcing faults
- Protection against the passage of solid foreign bodies from one unit of an assembly to an adjacent unit (degree of protection shall be at least IP2X)

Depending on how the compartments or barriered sub-sections are built, there are different typical forms of internal separation defined:

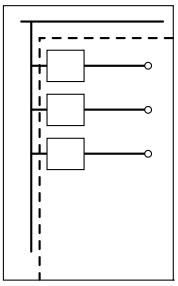
Form 1
- no internal separation provided



Form 2a
- internal separation between busbars and functional units
- Terminals for external conductors do not need to be separated from the busbars



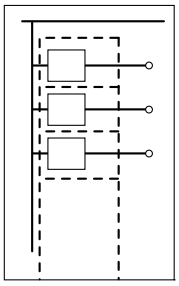
Form 2b
- internal separation between busbars and functional units
- Terminals for external conductors need to be separated from the busbars



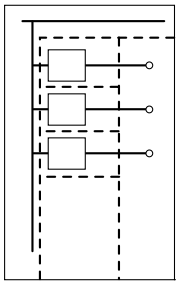
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Further information - internal separation

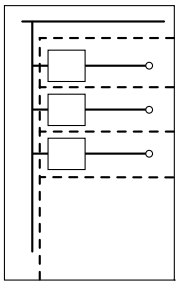
Form 3a
- internal separation between busbars and functional units as well as separation of the functional units from each other
- Terminals for external conductors do not need to be separated from the busbars



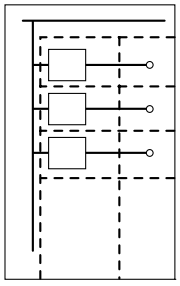
Form 3b
- separation of the terminals for external conductors from functional units, but not from each other
- Terminals for external conductors need to be separated from the busbars



Form 4a
- internal separation between busbars and functional units as well as between the individual functional units from each other, including the terminals for external conductors which are an integral part of the functional unit
- Terminals for external conductors within the same compartment as the assigned functional unit



Form 4b
- internal separation between busbars and functional units as well as separation of the functional units from each other, including the terminals for external conductors which are an integral part of the functional units
- Terminals for external conductors which are not in the same compartment as the assigned functional units, but which are enclosed in their own barriered area or compartment



The form and degree of protection of the internal separation (if higher than IP2X or IPXX B) need to be agreed between the user and the manufacturer. Internal separations are to protect the personnel and the system during work to be carried out on switchgear and controlgear assemblies that cannot be de-energized for operational reasons. Depending on the operational requirements, distribution sections can optimally be finished in different forms of internal separation. Distribution sections that should allow easy replacement of functional units (e.g. drawer unit distributors) will come with a higher form of internal separation as a standard, e.g. with an internal separation of form 3b. An internal separation according to form 2b, e.g. an internal separation between busbars and functional units, is recommended in any case.

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Short-circuit rating for circuit breakers/devices

Circuit breaker	Installation type	I_e up to A	Category breaking capacity/ optional equipment	Short-circuit rating at 400 V AC I_{cc} kA	I_{cw} kA (1 s)	I_{cu} kA (only for device)
IZMX16			B	65	42	42
			N	65	42	50
			H	65	42	65
IZMX40	Fixed, with-drawable	800	B	66	66	66
			N	85	85	85
			H	-	-	-
		1000	B	66	66	66
			N	85	85	85
			H	-	-	-
		1200	B	66	66	66
			N	85	85	85
			H	-	-	-
		1600	B	66	66	66
			N	85	85	85
			H	-	-	-
		2000	B	66	66	66
			N	85	85	85
			H	-	-	-
		2500	B	66	66	66
			N	85	85	85
			H	-	-	-
		3200	B	66	66	66
			N	85	85	85
			H	-	-	-
		4000	B	66	85	85
			N	85	85	85
			H	-	-	-
NZM 4	Fixed, Drawer u.	1600	N	50	-	50
			H	100	-	100
PKZM0	Fixed	10	-	100	-	100
		32	-	50	-	50
			CL-PKZ0	100	-	100
PKZM4	Fixed	25	-	100	-	100
		63	-	50	-	50

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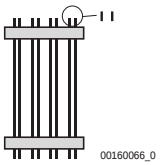
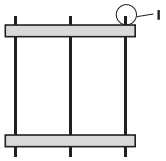
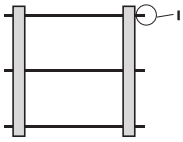
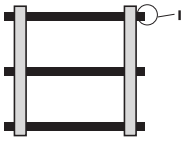
Short-circuit rating for circuit breakers/devices

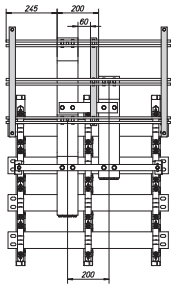
Circuit breaker	Installation type	I_e up to A	Category breaking capacity/ optional equipment	Short-circuit rating at 400 V AC I_{cc} kA	I_{cw} kA (1 s)	I_{cu} kA (only for device)
NZM1	Fixed Plug-in module	160	B	25	-	25
			N	50	-	50
			H	100	-	100
NZM2	Fixed Plug-in module	300	B	30	-	30
			N	85	-	85
			H	100	-	100
NZM3	Fixed, Drawer unit	630	N	85	-	85
			H	100	-	100

Devices	Installation type	Frame size/ I_e up to A	Max. rated current of low-voltage h.b.c. fuse bases, utilization class gL, gG (VDE 0636IEC/EN 60269-1) in A Rated conditional short-circuit current I_{cf} at 500 V AC 50 kA	65 kA	80 kA	100 kA	Rated conditional short-circuit current I_{cf} at 690 V AC 50 kA	65 kA	80 kA	100 kA
GS(TA)	Fixed	00/100	100	-	-	-	-	-	-	-
		1/250	250	-	-	-	-	-	-	-
		2/400	400	-	-	-	-	-	-	-
PIFT	Fixed	00/100	160	125	100	80	100	100	100	80
		1/250	250	224	200	160	200	160	125	100
		2/400	400	400	400	355	315	315	315	250
		3/630	630	500	500	425	500	500	500	400
SL	Fixed	00/100	160	-	-	-	100	-	-	-
		1/250	-	-	250	-	-	-	200	-
		2/400	-	-	400	-	-	-	315	-
		3/630	-	-	630	-	-	-	500	-

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Short-circuit rating for busbars

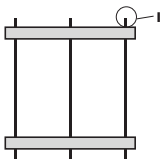
Busbar	Busbar cross-section	Max. center-to-center distance between busbar carrier in mm for I_{cw} (1 s)					
I_e	L1, L2, L3 and full N	35 kA	45 kA	50 kA	65 kA	80 kA	100 kA
A	mm²	mm	mm	mm	mm	mm	mm
Dropper bars							
Flat copper for fixed modules with circuit breakers, with XDSF… busbar supports at the rear or on the side Center-to-center distance between phases 60 mm							
 00160066_0							
800	2 x 20 x 10	325	-	-	-	-	-
1250	2 x 40 x 10	325	325	-	-	-	-
1600	2 x 60 x 10	600	325	325	-	-	-
Flat copper for horizontally installed PIFT fuse strips with XDSSV…busbar supports Center-to-center distance between phases 185 mm							
 00160086_0							
800	1 x 40 x 10	-	600	600	450	450	-
1000	1 x 60 x 10	-	600	600	450	450	-
1250	1 x 80 x 10	-	750	750	450	450	-
1600	1 x 100 x 10	-	750	750	450	450	-
If necessary, further busbar supports from Eaton should be added depending on the required short-circuit rating.							
Flat copper for vertically installed PIFT fuse strips with XDSSH…busbar supports Center-to-center distance between phases 185 mm							
 00160096_0							
80	1 x 40 x 10	-	600	600	450	450	-
1000	1 x 60 x 10	-	600	600	450	450	-
1250	1 x 80 x 10	-	750	750	450	450	-
1600	1 x 100 x 10	-	750	750	450	450	-
If necessary, further busbar supports from Eaton should be added depending on the required short-circuit rating.							
Flat copper for vertically installed fuse strips Center-to-center distance between phases 185 mm							
 00160106_0							
Single copper							
800	1 x 40 x 10	500	500	500			
1000	1 x 60 x 10	500	500	500			
1250	1 x 80 x 10	500	500	500			
1600	1 x 100 x 10	500	500	500			
Double busbar system							
1600	2 x 40 x 10	930	930	730	530	350	-
2000	2 x 60 x 10	930	930	930	530	450	-
2500	2 x 80 x 10	930	930	930	530	450	-
3200	2 x 100 x 10	930	930	930	530	450	-



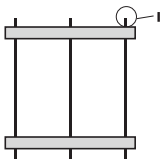
For 65 and 80kA take notice about maximum distance of dropper bars! Exceeds the maximum allowable distances, additional Durostone supports according to manual have to be installed. The mounting of the Durostone carrier is using the hook bolts. The support is placed exactly between 2 strips, thus does not need an additional empty space to be planned.

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Short-circuit Strength for Busbars

	Busbar	Busbar cross-section	Max. center-to-center distance of the busbar supports in mm for I_{cw} (1 s)				
	I_e		35 kA	45 kA	50 kA	65 kA	80 kA
	A	mm²	mm	mm	mm	mm	mm
Dropper bars							
Plug-in module technology							
Center-to-center distance between phases 185 mm							
	900	1 x 40 x 10	600	450	450	-	-
	1350	1 x 60 x 10	600	600	600	450	-
	1800	1 x 80 x 10	600	600	600	450	450

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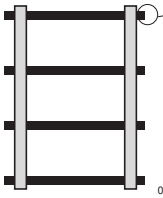
	Busbar	Busbar cross-section	Max. center-to-center distance of the busbar supports in mm for I_{cw} (3 s)				
	I_e		35 kA	45 kA	50 kA	65 kA	80 kA
	A	mm²	mm	mm	mm	mm	mm
Dropper bars							
Plug-in module technology							
Center-to-center distance between phases 185 mm							
	900	1 x 40 x 10	-	-	-	-	-
	1350	1 x 60 x 10	-	-	-	-	-
	1800	1 x 80 x 10	450	450	450	-	-

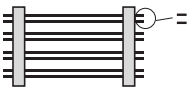
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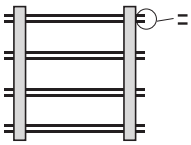
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Short-circuit rating for busbars

Busbar	Busbar cross-section	Max. center-to-center distance between busbar carrier in mm for I_{cw} (1 s)					
I_e	L1, L2, L3 and full N	35 kA	45 kA	50 kA	65 kA	80 kA	100 kA [1]
A	mm²	mm	mm	mm	mm	mm	mm
Main busbars							
Flat copper at the rear with XBSB… busbar supports Center-to-center distance between phases 180 mm							
1600	2 x 40 x 10	-	*	350	350	-	-
2000	2 x 60 x 10	-	*	350	350	-	-
2500	2 x 80 x 10	-	*	350	350	350	-
3200	3 x 80 x 10	-	*	350	350	350	350
4000	3 x 80 x 10	-	*	350	350	350	350
5000	2x (3 x 80 x 10)	-	*	350	350	350	350
Flat copper at the top with XBST…-1 busbar supports Center-to-center distance between phases 60 mm							
800	2 x 20 x 10	*	*	*	-	-	-
1250	2 x 40 x 10	300	300*	*	-	-	-
1600	2 x 60 x 10	300	300	*	-	-	-
Flat copper at the top with XBST… busbar supports Center-to-center distance between phases 125 mm							
1250	2 x 40 x 10	450	350	-	-	-	-
1600	2 x 60 x 10	450	350	350	-	-	-
2000	2 x 80 x 10	-	450	350	350	-	-
2500	2 x 100 x 10	-	450	350	350	-	-
3200	2 x 120 x 10	-	450	350	350	-	-







Notes

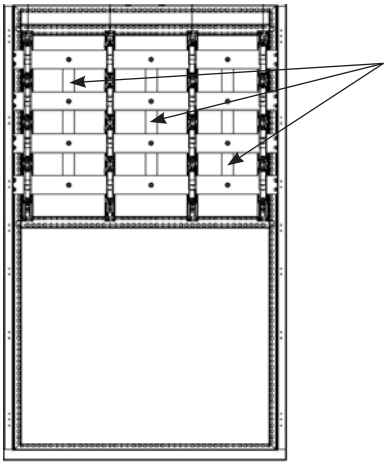
* on request

Attention!
For incoming, outgoing and coupling sections using IZM or NZM4 circuit breakers up to the max. short-circuit rating of the busbars in
- rear position, of I_{cw} (1 s) = 80 kA as of a busbar cross-section 2 x 80 x 10 mm, XBSB…
- top position, of I_{cw} (1 s) = 65 kA as of a busbar cross-section 2 x 80 x 10 mm, XBST…

the incorporation of 2 busbar supports per section is sufficient.

Exception:
For NZM4 circuit breakers in a 600 mm wide section, a max. short-circuit rating of I_{cw} (1 s) = **45 kA** will be achieved with the incorporation of 2 XBSB… or XBST… busbar supports per section.

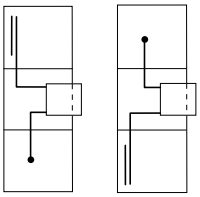
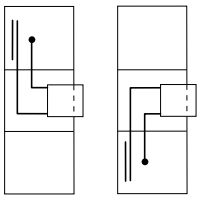
[1] **Additional information for short-circuit strength 100kA on the main busbar:**



To achieve I_{cw} of 100kA, additional Durostone supports between the busbar supports have to be be fitted.
Larger carrier distances of up to 450mm are acceptable if busbar connections on the circuit breakers/distribution busbars are present.

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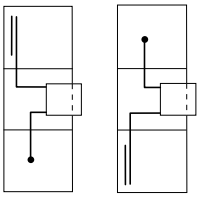
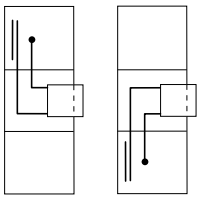
Current load for circuit breakers IZMX16 up tp 1600 A

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A	Copper dimensions [1]
Busbar area at the rear, up to 3200 A →↔ section depth 600 mm								
 00122477_0 00122467_0	IZMX16 single	Fixed, with-drawable	1000	IP31 with ventilated top cover with ACB cover	1000	1000	896	1x50x10
				IP31 with ventilated top cover without ACB cover	920	865	689	1x50x10
				IP31 with closed top cover with ACB cover	920	865	828	1x50x10
				IP42 with ventilated top cover with ACB cover	1000	983	862	1x50x10
				IP42 with closed top cover with ACB cover	920	865	828	1x50x10
				IP55 with ACB Cover	920	865	828	1x50x10
			1250	IP31 with ventilated top cover with ACB cover	1250	1250	1210	2x50x10
				IP31 with ventilated top cover without ACB cover	1020	960	931	2x50x10
				IP31 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP42 w ith ventilated top cover with ACB cover	1250	1250	1164	2x50x10
				IP42 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP55 with ACB Cover	1240	1168	1117	2x50x10
 00122457_1 00122487_1			1600	IP31 with ventilated top cover with ACB cover	1430	1350	1210	2x50x10
				IP31 with ventilated top cover without ACB cover	1100	1040	931	2x50x10
				IP31 with closed top cover with ACB cover	1300	1230	1117	2x50x10
				IP42 with ventilated top cover with ACB cover	1410	1327	1164	2x50x10
				IP42 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP55 with ACB Cover	1240	1168	1117	2x50x10
			1600	IP31 with ventilated top cover with ACB cover	1540	1450	1300	2x60x10
				IP31 with ventilated top cover without ACB cover	1190	1120	1000	2x60x10
				IP31 with closed top cover with ACB cover	1400	1320	1200	2x60x10
				IP42 with ventilated top cover with ACB cover	1510	1425	1250	2x60x10
				IP42 with closed top cover with ACB cover	1330	1255	1200	2x60x10
				IP55 with ACB Cover	1330	1255	1200	2x60x10
	IZMX16 side/side	Fixed, with-drawable	1000	IP31 with ventilated top cover with ACB cover	1000	1000	896	1x50x10
				IP31 with ventilated top cover without ACB cover	920	865	689	1x50x10
				IP31 with closed top cover with ACB cover	920	865	828	1x50x10
				IP42 with ventilated top cover with ACB cover	1000	983	862	1x50x10
				IP42 with closed top cover with ACB cover	920	865	828	1x50x10
				IP55 with ACB Cover	920	865	828	1x50x10
			1250	IP31 with ventilated top cover with ACB cover	1250	1250	1210	2x50x10
				IP31 with ventilated top cover without ACB cover	1020	960	931	2x50x10
				IP31 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP42 with ventilated top cover with ACB cover	1250	1250	1164	2x50x10
				IP42 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP55 with ACB Cover	1240	1168	1117	2x50x10
			1600	IP31 with ventilated top cover with ACB cover	1430	1350	1210	2x50x10
				IP31 with ventilated top cover without ACB cover	1100	1040	931	2x50x10
				IP31 with closed top cover with ACB cover	1300	1230	1117	2x50x10
				IP42 with ventilated top cover with ACB cover	1410	1327	1164	2x50x10
				IP42 with closed top cover with ACB cover	1240	1168	1117	2x50x10
				IP55 with ACB Cover	1240	1168	1117	2x50x10
			1600	IP31 with ventilated top cover with ACB cover	1590	1500	1360	2x60x10
				IP31 with ventilated top cover without ACB cover	1180	1110	1010	2x60x10
				IP31 with closed top cover with ACB cover	1450	1370	1240	2x60x10
				IP42 with ventilated top cover with ACB cover	1560	1474	1308	2x60x10
				IP42 with closed top cover with ACB cover	1380	1298	1255	2x60x10
				IP55 with ACB Cover	1380	1298	1255	2x60x10

Note [1] Copper dimension (only as calculation help useable, concret dimensions has to be taken from BA's)

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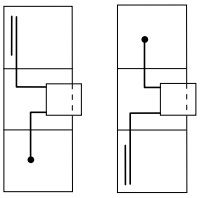
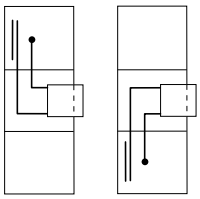
Current load for circuit breakers IZMX40 up to 4000 A

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A	Copper dimensions [1]
Busbar area at the rear, up to 3200 A →↔ section depth 600 mm 4000 A →↔ section depth 800 mm								
 00122477_0 00122467_0	IZMX40/66 kA	Fixed, with-drawable	1600	IP31 with ventilated top cover	1600	1600	1550	1x80x10
				IP31 with closed top cover	1600	1600	1550	
				IP42 with ventilated top cover	1600	1600	1485	
				IP42 with closed top cover	1600	1600	1450	
				IP55	1600	1600	1450	
			2000	IP31 with ventilated top cover	2000	2000	2000	2x80x10
				IP31 with closed top cover	2000	2000	1950	+ 3x80x10
				IP42 with ventilated top cover	2000	2000	2000	+ 2x80x10
				IP42 with closed top cover	2000	1900	1670	
				IP55	2000	1900	1670	
 00122457_1 00122487_1			2500	IP31 with ventilated top cover	2490	2350	2100	2x80x10
				IP31 with closed top cover	2440	2300	1950	+ 3x80x10
				IP42 with ventilated top cover	2390	2250	2010	+ 2x80x10
				IP42 with closed top cover	2010	1900	1670	
				IP55	2010	1900	1670	
	IZMX40/85 kA	Fixed, with-drawable	1600	IP31 with ventilated top cover	1600	1600	1600	1x80x10
				IP31 with closed top cover	1600	1600	1600	
				IP42 with ventilated top cover	1600	1600	1534	
				IP42 with closed top cover	1600	1600	1500	
				IP55	1600	1600	1500	
			2000	IP31 with ventilated top cover	2000	2000	2000	2x80x10
				IP31 with closed top cover	2000	2000	2000	
				IP42 with ventilated top cover	2000	2000	2000	
				IP42 with closed top cover	2000	1980	1750	
				IP55	2000	1980	1750	
			2500	IP31 with ventilated top cover	2500	2400	2150	2x80x10
				IP31 with closed top cover	2490	2350	2000	
				IP42 with ventilated top cover	2440	2300	2060	
				IP42 with closed top cover	2100	1980	1750	
				IP55	2100	1980	1750	
			3200	IP31 with ventilated top cover	3060	2888	2520	3x80x10
				IP31 with closed top cover	2870	2710	2460	+ 3x100x10
				IP42 with ventilated top cover	2930	2760	2420	+ 3x80x10
				IP42 with closed top cover	2480	2340	1950	
				IP55	2480	2340	1950	
			4000	IP31 with ventilated top cover	3870	3650	3250	3x120x10
				IP31 with closed top cover	3500	3300	2950	
				IP42 with ventilated top cover	3500	3500	3120	
				IP42 with closed top cover	2860	2700	2440	
				IP55	2860	2700	2440	

Note [1] Copper dimension (only as calculation help useable, concret dimensions has to be taken from BA's)

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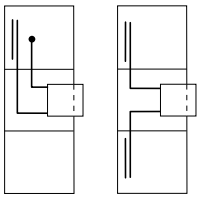
Current load for circuit breakers IZM63 up to 6300 A

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A	Copper dimensions [1]
Busbar area at the rear, 4000 A →↔ section depth 800 mm								
 00122477_0 00122467_0	IZM63	Fixed, with-drawable	4000	IP31 with ventilated top cover	4240	4000	3600	2x3x80x10
				IP31 with closed top cover	3920	3700	2800	
				IP42 with ventilated top cover	3920	3700	2800	
				IP42 with closed top cover	3290	3100	2850	
				IP55	3290	3100	2850	2x3x100x10
			5000	IP31 with ventilated top cover	4610	4350	3900	2x3x100x10
				IP31 with closed top cover	4130	3900	3496	
				IP42 with ventilated top cover	4130	3900	3496	
				IP42 with closed top cover	3390	3200	2850	
				IP55	3390	3200	2850	
 00122457_1 00122487_1			6300	IP31 with ventilated top cover	4610	4350	3900	2x3x100x10
				IP31 with closed top cover	4130	3900	3496	
				IP42 with ventilated top cover	4130	3900	3496	
				IP42 with closed top cover	3390	3200	2850	
				IP55	3390	3200	2850	

Note [1] Copper dimension (only as calculation help useable, concret dimensions has to be taken from BA's)

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Current load for circuit breaker series NZM3/4 - with XP section

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A
XP Section							
 00122457_1 00122497_0	NZM3	Plug-in m. Drawer unit Fixed	630	IP31 with ventilated top cover	430	410	390
				IP31 with closed top cover	390	370	360
				IP42 with ventilated top cover	430	410	390
				IP42 with closed top cover	380	360	334
				IP55	380	360	334
	NZM4	Plug-in m. Drawer unit Fixed	1600	IP31 with ventilated top cover	1170	1100	950
				IP31 with closed top cover	1060	1000	870
				IP42 with ventilated top cover	1170	1100	950
				IP42 with closed top cover	1010	950	820
				IP55	1010	950	820

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Current load for circuit breakers up to 630 A

Configuration	Circuit breaker/ device	Installation type	I_e up to A	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A
Form 2 and 4							
	PKZM0	Fixed	32	IP31 with ventilated top cover	32	31	17.4
				IP31 with closed top cover	30	28.3	15.9
				IP42 with ventilated top cover	32	31	17.4
				IP42 with closed top cover	24	22.6	13.5
				IP55	24	22.6	13.5
	PKZM4	Fixed	63	IP31 with ventilated top cover	44.5	42	38
				IP31 with closed top cover	40.6	38.3	34.7
				IP42 with ventilated top cover	44.5	42	38
				IP42 with closed top cover	38.3	36.1	28
				IP55	38.3	36.1	28
	PKE32	Fixed	32	IP31 with ventilated top cover	32	32	20.2
				IP31 with closed top cover	31	29.2	18.4
				IP42 with ventilated top cover	32	32	20.2
				IP42 with closed top cover	23.2	21.9	15.7
				IP55	23.2	21.9	15.7
	PKE65	Fixed	65	IP31 with ventilated top cover	65	65	540
				IP31 with closed top cover	62.9	59.3	49.3
				IP42 with ventilated top cover	65	65	54
				IP42 with closed top cover	47.7	45	42
				IP55	47.7	45	42
	NZM1	Fixed	160	IP31 with ventilated top cover	140	130	100
				IP31 with closed top cover	130	120	90
				IP42 with ventilated top cover	140	130	100
				IP42 with closed top cover	120	116	90
				IP55	120	116	90
		Plug-in module	125	IP31 with ventilated top cover	110	100	90
				IP31 with closed top cover	100	90	80
				IP42 with ventilated top cover	110	100	90
				IP42 with closed top cover	100	95	80
				IP55	100	95	80
	NZM2	Fixed	300	IP31 with ventilated top cover	220	210	176
				IP31 with closed top cover	200	190	160
				IP42 with ventilated top cover	220	210	176
				IP42 with closed top cover	190	176	176
				IP55	190	176	176
		Plug-in module	250	IP31 with ventilated top cover	230	220	200
				IP31 with closed top cover	210	200	180
				IP42 with ventilated top cover	230	220	200
				IP42 with closed top cover	210	200	190
				IP55	210	200	190
	NZM3	Fixed Cu	630	IP31 with ventilated top cover	570	540	420
				IP31 with closed top cover	520	490	380
				IP42 with ventilated top cover	560	530	420
				IP42 with closed top cover	430	410	320
				IP55	430	410	320
		Fixed Cu	630	IP31 with ventilated top cover	570	540	420
				IP31 with closed top cover	520	490	380
				IP42 with ventilated top cover	560	530	420
				IP42 with closed top cover	430	410	320
				IP55	430	410	320
		Plug-in module	630	IP31 with ventilated top cover	430	402	370
				IP31 with closed top cover	390	370	340
				IP42 with ventilated top cover	430	402	370
				IP42 with closed top cover	390	370	351
				IP55	390	370	351

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Current load tables for plug-in modules in the XR-mixed enclosure

Breaker Size/Type	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31			**IP42**			**IP55**		
		25°C A	35°C A	50°C A	25°C A	35°C A	50°C A	25°C A	35°C A	50°C A
PKZM0-32	1	33	31	17	33	31	17	24	23	14
PKZM0-32	3	33	31	17	33	31	17	24	23	14
PKZM0-32	5	32	30	17	32	30	17	24	23	14
PKZM0-32	7	32	30	17	32	30	17	23	22	14
PKZM0-32	10	32	30	16	32	30	16	23	22	13
PKZM0-32	20	31	29	16	31	29	16	22	21	13
PKZM0-32	30	29	27	15	29	27	15	21	20	12
PKZM0-32	40	28	26	15	28	26	15	20	19	12
PKZM0-32	50	27	25	14	27	25	14	19	18	11
PKZM0-32	100	19	18	11	19	18	11	14	13	8
PKZM4-50	1	45	42	38	45	42	38	38	36	28
PKZM4-50	3	45	42	38	45	42	38	37	35	28
PKZM4-50	5	43	41	37	43	41	37	37	35	27
PKZM4-50	7	43	41	37	43	41	37	37	35	27
PKZM4-50	10	42	40	36	42	40	36	36	34	27
PKZM4-50	20	41	39	35	41	39	35	34	32	25
PKZM4-50	30	39	37	33	39	37	33	32	30	24
PKZM4-50	40	38	36	32	38	36	32	31	29	22
PKZM4-50	50	36	34	30	36	34	30	28	28	21
PKZM4-50	100	19	18	17	19	18	17	14	14	14
PKE32	1	34	32	20	34	32	20	23	22	16
PKE32	3	34	32	20	34	32	20	23	22	16
PKE32	5	33	31	20	33	31	20	23	22	16
PKE32	7	33	31	19	33	31	19	22	21	16
PKE32	10	33	31	19	33	31	19	22	21	15
PKE32	20	32	30	18	32	30	18	21	20	15
PKE32	30	30	28	18	30	28	18	21	20	14
PKE32	40	29	27	17	29	27	17	20	19	14
PKE32	50	28	26	16	28	26	16	19	18	13
PKE32	100	19	18	12	19	18	12	14	14	10
PKE65	1	69	65	54	69	65	54	48	45	42
PKE65	3	68	64	53	68	64	53	47	44	41
PKE65	5	67	63	52	67	63	52	47	44	41
PKE65	7	66	62	51	66	62	51	46	43	40
PKE65	10	65	61	50	65	61	50	46	43	40
PKE65	20	59	56	47	59	56	47	42	40	38
PKE65	30	55	52	43	55	52	43	40	38	35
PKE65	40	48	45	39	48	45	39	35	35	33
PKE65	50	38	36	33	38	36	33	28	28	28
PKE65	100	19	18	17	19	18	17	14	14	14

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Current load tables for plug-in modules in the XR-mixed enclosure

Breaker Size/Type	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31			**IP42**			**IP55**		
		25°C A	35°C A	50°C A	25°C A	35°C A	50°C A	25°C A	35°C A	50°C A
NZM1	1	134	126	93	134	126	93	119	112	70
NZM1	3	129	122	90	129	122	90	112	106	66
NZM1	5	127	120	88	127	120	88	108	102	64
NZM1	7	124	117	86	124	117	86	104	98	61
NZM1	10	120	113	84	120	113	84	98	92	57
NZM1	15	113	107	79	113	107	79	87	82	51
NZM1	20	95	90	83	95	90	83	70	70	45
NZM2	1	236	223	165	236	223	165	198	187	123
NZM2	3	224	211	156	224	211	156	183	173	116
NZM2	5	214	202	149	214	202	149	174	164	111
NZM2	7	206	194	143	206	194	143	164	155	106
NZM2	8	201	190	140	201	190	140	159	150	103
NZM2	10	190	180	134	190	180	134	140	140	98
NZM2	12	158	150	138	158	150	128	117	117	93
NZM3	1	594	560	415	594	560	415	464	438	310
NZM3	2	534	504	374	534	504	374	402	379	279
NZM3	3	505	476	353	505	476	353	371	350	264
NZM3	4	475	448	332	475	448	332	350	321	248
NZM3	5	380	360	330	380	360	312	280	280	233
NZM3	7	271	257	236	271	257	236	200	200	200
NZM3	10	190	180	165	190	180	165	140	140	140
NZM3	1	488	460	341	488	460	341	361	341	254
NZM3	2	452	426	316	452	426	316	325	307	229
NZM3	3	432	408	303	432	408	303	307	290	216
NZM3	4	414	391	290	414	391	290	289	273	203
NZM3	5	380	360	277	380	360	277	280	256	190
NZM3	7	271	257	236	271	257	236	200	200	165
NZM3	10	190	180	165	190	180	165	140	140	127

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Current load table for PIFT modules in the PIFT enclosure

Size	Number of modules per section	Admitted continuous current I depending on the ambient temperature and the degree of protection of the distribution sections								
		IP31			**IP42**			**IP55**		
		25°C A	35°C A	50°C A	25°C A	35°C A	50°C A	25°C A	35°C A	50°C A
PIFT00 (1)	1	133	125	100	133	125	100	96	91	91
PIFT00 (3)	3	128	121	97	128	121	96	93	88	88
PIFT00 (5)	5	126	119	95	125	118	94	91	86	86
PIFT00 (7)	7	123	116	93	122	115	92	88	83	83
PIFT00 (10)	10	120	113	90	117	110	88	85	80	80
PIFT00 (20)	20	106	100	80	101	95	76	73	69	69
PIFT00 (30)	30	69	65	60	69	65	60	64	60	60
PIFT1 (1)	1	191	180	144	191	180	144	139	131	131
PIFT1 (3)	3	183	173	138	177	167	134	129	122	122
PIFT1 (5)	5	178	168	134	169	159	127	123	116	116
PIFT1 (7)	7	173	163	130	159	150	120	116	109	109
PIFT1 (10)	10	164	155	124	145	137	109	106	100	100
PIFT1 (20)	20	69	65	65	69	65	65	69	65	65
PIFT2 (1)	1	334	315	253	334	315	253	244	230	230
PIFT2 (3)	3	313	295	237	313	295	237	228	215	215
PIFT2 (5)	5	299	282	226	299	282	226	217	205	205
PIFT2 (7)	7	272	257	205	272	257	205	186	175	175
PIFT2 (10)	10	191	180	165	191	180	165	148	140	140
PIFT3 (1)	1	519	490	394	519	490	394	379	358	358
PIFT3 (3)	3	448	423	340	432	408	327	315	297	297
PIFT3 (4)	4	424	400	322	403	380	305	254	240	240
PIFT3 (5)	5	371	350	310	371	350	280	186	175	175
PIFT3 (7)	7	272	257	235	272	257	235	148	140	140
PIFT3 (10)	10	191	180	165	191	180	165	–	–	–

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Current load for PIFT switch fuse units up to 630 A

Device	I_e up to	Number per section	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections		
				25°C	35°C	50°C
	A			A	A	A
Horizontal device installation						
PIFT00	160	1	IP31	139	131	118
			IP42	134	126	113
			IP55	108	102	92
		3	IP31	131	124	112
			IP42	126	119	107
			IP55	102	96	86
		5	IP31	126	119	107
			IP42	122	115	104
			IP55	99	93	84
		7	IP31	121	114	103
			IP42	117	110	99
			IP55	94	89	80
		10	IP31	113	107	96
			IP42	109	103	93
			IP55	88	83	75
		20	IP31	88	83	75
			IP42	85	80	72
			IP55	69	65	59
		30	IP31	69	65	59
			IP42	67	63	57
			IP55	54	51	46
PIFT1	250	1	IP31	201	190	171
			IP42	194	183	165
			IP55	161	152	137
		3	IP31	181	171	154
			IP42	175	165	149
			IP55	145	137	123
		5	IP31	167	158	142
			IP42	161	152	137
			IP55	134	126	113
		7	IP31	154	145	131
			IP42	148	140	126
			IP55	123	116	104
		10	IP31	133	125	113
			IP42	128	121	109
			IP55	106	100	90
		20	IP31	69	65	59
			IP42	67	63	57
			IP55	55	52	47
PIFT2	400	1	IP31	339	320	288
			IP42	328	309	278
			IP55	284	268	241
		3	IP31	311	293	264
			IP42	300	283	255
			IP55	260	245	221
		5	IP31	290	274	247
			IP42	280	264	238
			IP55	244	230	207
		7	IP31	271	256	230
			IP42	262	247	222
			IP55	227	214	193
		10	IP31	257	242	218
			IP42	247	233	210
			IP55	215	203	183
PIFT3	630	1	IP31	456	430	387
			IP42	441	416	374
			IP55	379	358	322
		3	IP31	412	389	350
			IP42	399	376	338
			IP55	343	324	292
		5	IP31	383	361	325
			IP42	370	349	314
			IP55	319	301	271
		7	IP31	292	275	248
			IP42	282	266	239
			IP55	243	229	206
		10	IP31	189	178	160
			IP42	182	172	155
			IP55	157	148	133

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Current load for PIFT switch fuse units up to 630 A

Device	I_e up to	Number per section	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections		
				25°C	35°C	50°C
	A			A	A	A
Vertical device installation						
PIFT00	160	1	IP31	90	85	77
			IP42	87	82	73
			IP55	70	66	60
		3	IP31	85	81	73
			IP42	82	77	70
			IP55	66	62	56
		5	IP31	82	77	70
			IP42	79	75	68
			IP55	64	60	55
		7	IP31	79	74	67
			IP42	76	72	64
			IP55	61	58	52
		10	IP31	73	70	62
			IP42	71	67	60
			IP55	57	54	49
		14	IP31	57	54	49
			IP42	55	52	47
			IP55	45	42	38
PIFT1	250	1	IP31	131	124	111
			IP42	126	119	107
			IP55	105	99	89
		3	IP31	118	111	100
			IP42	114	107	97
			IP55	94	89	80
		5	IP31	109	103	92
			IP42	105	99	89
			IP55	87	82	73
		7	IP31	100	94	85
			IP42	96	91	82
			IP55	80	75	68
		9	IP31	86	81	73
			IP42	83	79	71
			IP55	69	65	59
PIFT2	400	1	IP31	220	208	187
			IP42	213	201	181
			IP55	185	174	157
		3	IP31	202	190	172
			IP42	195	184	166
			IP55	169	159	144
		4	IP31	189	178	161
			IP42	182	172	155
			IP55	159	150	135
PIFT3	630	1	IP31	296	280	252
			IP42	287	270	243
			IP55	246	233	209
		3	IP31	268	253	228
			IP42	259	244	220
			IP55	223	211	190
		4	IP31	249	235	211
			IP42	241	227	204
			IP55	207	196	176

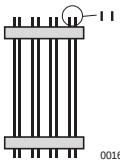
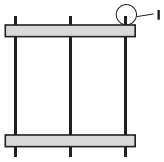
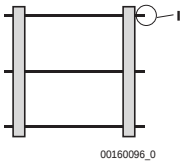
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Current load for fuse switch disconnectors up to 630 A (for series: NHW-SLS and FCF)

Device	I_e up to	Number per section	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections		
				25°C	35°C	50°C
	A			A	A	A
Vertical device installation						
Size 00	160	1	IP31	143	135	122
			IP42	138	130	117
			IP55	111	105	95
		3	IP31	134	126	113
			IP42	128	121	109
			IP55	103	97	87
		5	IP31	127	120	108
			IP42	122	115	104
			IP55	98	92	83
		9	IP31	113	107	96
			IP42	110	104	94
			IP55	87	82	74
		14	IP31	98	92	83
			IP42	94	89	80
			IP55	73	69	62
Size 1	250	1	IP31	250	250	225
			IP42	250	241	217
			IP55	212	200	180
		3	IP31	249	235	212
			IP42	240	226	203
			IP55	197	186	167
		5	IP31	236	223	201
			IP42	228	215	194
			IP55	184	174	157
		7	IP31	220	208	187
			IP42	212	200	180
			IP55	170	160	144
Size 2	400	1	IP31	392	370	333
			IP42	378	257	321
			IP55	329	310	179
		3	IP31	374	353	318
			IP42	361	341	307
			IP55	306	289	260
		5	IP31	359	339	305
			IP42	348	328	295
			IP55	287	271	244
		7	IP31	341	322	290
			IP42	331	312	281
			IP55	265	250	225
Size 3	630	1	IP31	630	600	540
			IP42	615	580	522
			IP55	530	500	450
		3	IP31	600	566	509
			IP42	581	548	493
			IP55	504	475	428
		5	IP31	570	538	484
			IP42	553	522	470
			IP55	482	455	410
		7	IP31	534	504	454
			IP42	519	490	441
			IP55	456	430	387

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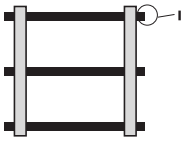
Max. current load and power loss [Pv] for busbars dropper bars

	I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
				25°C	35°C	50°C	25°C	35°C	50°C
	A	mm²		A	A	A	W/m	W/m	W/m
Dropper bars									
Flat copper for fixed modules with circuit breakers, with XDSF… busbar supports at the rear or on the side Center-to-center distance between phases 60 mm									
 00160066_0	800	2 x 20 x 10	IP31 with ventilated top cover	1400	1300	1150	120	103	81
			IP31 with closed top cover	1220	1150	1050	91	81	67
			IP42 with ventilated top cover	1280	1190	1060	100	87	69
			IP42 with closed top cover	1180	1070	920	85	70	52
			IP55	1080	940	780	71	54	37
	1250	2 x 40 x 10	IP31 with ventilated top cover	1730	1600	1400	98	84	64
			IP31 with closed top cover	1580	1460	1280	82	70	54
			IP42 with ventilated top cover	1580	1460	1280	82	70	54
			IP42 with closed top cover	1460	1380	1270	70	63	53
			IP55	1330	1300	1250	58	56	51
	1600	2 x 60 x 10	IP31 with ventilated top cover	2100	2000	1850	102	92	79
			IP31 with closed top cover	1920	1830	1690	85	77	66
			IP42 with ventilated top cover	1930	1900	1850	86	83	79
			IP42 with closed top cover	1820	1800	1780	76	75	73
			IP55	1700	1700	1700	67	67	67
Flat copper for horizontally installed PIFT fuse strips with XDSSV…busbar supports, in the XR-mixed and PIFT section Center-to-center distance between phases 185 mm									
 00160086_0	800	1 x 40 x 10	IP31 with ventilated top cover	950	900	825	55	50	42
			IP31 with closed top cover	870	820	750	46	41	34
			IP42 with ventilated top cover	950	900	825	55	50	42
			IP42 with closed top cover	830	800	760	42	39	35
			IP55	760	700	700	35	30	30
	1000	1 x 60 x 10	IP31 with ventilated top cover	1430	1350	1237	86	76	64
			IP31 with closed top cover	1300	1230	1130	71	63	54
			IP42 with ventilated top cover	1430	1350	1237	86	76	64
			IP42 with closed top cover	1240	1200	1140	64	60	54
			IP55	1130	1050	1050	54	46	46
	1250	1 x 80 x 10	IP31 with ventilated top cover	1900	1800	1650	117	105	88
			IP31 with closed top cover	1730	1640	1510	97	87	74
			IP42 with ventilated top cover	1900	1800	1650	117	105	88
			IP42 with closed top cover	1650	1600	1530	88	83	76
			IP55	1510	1400	1400	74	63	63
	1600	1 x 100 x 10	IP31 with ventilated top cover	1900	1800	1650	97	87	73
			IP31 with closed top cover	1730	1640	1510	80	72	61
			IP42 with ventilated top cover	1900	1800	1650	97	87	73
			IP42 with closed top cover	1650	1600	1530	73	68	63
			IP55	1510	1400	1400	61	52	52
Flat copper for vertically installed PIFT fuse strips with XDSSH…busbar supports, in the PIFT section Center-to-center distance between phases 185 mm									
 00160096_0	800	1 x 40 x 10	IP31 with ventilated top cover	950	900	825	55	50	42
			IP31 with closed top cover	870	820	750	46	41	34
			IP42 with ventilated top cover	950	900	825	55	50	42
			IP42 with closed top cover	830	800	760	42	39	35
			IP55	760	700	700	35	30	30
	1000	1 x 60 x 10	IP31 with ventilated top cover	1430	1350	1237	86	76	64
			IP31 with closed top cover	1300	1230	1130	71	63	54
			IP42 with ventilated top cover	1430	1350	1237	86	76	64
			IP42 with closed top cover	1240	1200	1140	64	60	54
			IP55	1130	1050	1050	54	46	46
	1250	1 x 80 x 10	IP31 with ventilated top cover	1900	1800	1650	117	105	88
			IP31 with closed top cover	1730	1640	1510	97	87	74
			IP42 with ventilated top cover	1900	1800	1650	117	105	88
			IP42 with closed top cover	1650	1600	1530	88	83	76
			IP55	1510	1400	1400	74	63	63
	1600	1 x 100 x 10	IP31 with ventilated top cover	1900	1800	1650	97	87	73
			IP31 with closed top cover	1730	1640	1510	80	72	61
			IP42 with ventilated top cover	1900	1800	1650	97	87	73
			IP42 with closed top cover	1650	1600	1530	73	68	63
			IP55	1510	1400	1400	61	52	52

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Max. current load and power loss [Pv] for busbars dropper bars for SL - section to section up to 1600 A

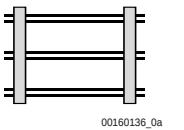
I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
			25°C	35°C	50°C	25°C	35°C	50°C
A	mm²		A	A	A	W/m	W/m	W/m
Flat copper for vertically installed SL fuse strips with XSML… fitting kit Center-to-center distance between phases 185 mm								
800	1 x 40 x 10	IP31 with ventilated top cover	1340	1240	1090	110	94	73
		IP31 with closed top cover	1220	1130	1000	91	78	61
		IP42 with ventilated top cover	1340	1240	1090	110	94	73
		IP42 with closed top cover	1240	1150	1010	94	81	62
		IP55	1130	1050	920	78	67	52
1000	1 x 60 x 10	IP31 with ventilated top cover	1500	1390	1220	94	81	62
		IP31 with closed top cover	1370	1270	1110	79	68	52
		IP42 with ventilated top cover	1500	1390	1220	94	81	62
		IP42 with closed top cover	1380	1280	1130	80	69	54
		IP55	1260	1170	1030	67	57	44
1250	1 x 80 x 10	IP31 with ventilated top cover	1660	1540	1360	89	77	60
		IP31 with closed top cover	1520	1410	1240	75	64	50
		IP42 with ventilated top cover	1660	1540	1360	89	77	60
		IP42 with closed top cover	1530	1420	1250	76	65	50
		IP55	1390	1290	1140	62	54	42
1600	1 x 100 x 10	IP31 with ventilated top cover	1840	1700	1500	91	77	60
		IP31 with closed top cover	1680	1550	1370	75	64	50
		IP42 with ventilated top cover	1840	1700	1500	91	77	60
		IP42 with closed top cover	1680	1560	1370	75	65	50
		IP55	1520	1410	1240	62	53	41



00160106_0

Max. current load and power loss [Pv] for busbars dropper bars for SL - section to section up to 3200 A

I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
			25°C	35°C	50°C	25°C	35°C	50°C
A	mm²		A	A	A	W/m	W/m	W/m
Flat copper for vertically installed SL fuse strips with XSMLV-I… fitting kit Dropper bars combinable								
1600	2 x 40 x 10	IP31 with ventilated top cover	2140	2000	1790	150	131	105
		IP31 with closed top cover	1980	1830	1630	129	110	87
		IP42 with ventilated top cover	1980	1850	1660	129	112	91
		IP42 with closed top cover	1880	1730	1510	116	98	75
		IP55	1780	1600	1360	104	84	61
2000	2 x 60 x 10	IP31 with ventilated top cover	2700	2520	2250	168	146	117
		IP31 with closed top cover	2600	2400	2100	156	133	102
		IP42 with ventilated top cover	2500	2330	2080	144	125	100
		IP42 with closed top cover	2330	2170	1910	125	109	84
		IP55	2150	2000	1740	107	92	70
2500	2 x 80 x 10	IP31 with ventilated top cover	3200	2940	2580	186	157	121
		IP31 with closed top cover	3030	2750	2370	167	137	102
		IP42 with ventilated top cover	2960	2720	2390	159	134	104
		IP42 with closed top cover	2710	2500	2170	133	113	85
		IP55	2460	2270	1960	110	93	70
3200	2 x 100 x 10	IP31 with ventilated top cover	3420	3200	2780	178	156	117
		IP31 with closed top cover	3210	3000	2610	157	137	104
		IP42 with ventilated top cover	3210	3000	2610	157	137	104
		IP42 with closed top cover	3210	3000	2610	157	137	104
		IP55	3210	3000	2610	157	137	104



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ATTENTION! Use Cu according to standard EN 13601-CU-ETP-R250-SH

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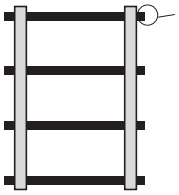
Max. current load and power loss [Pv] for busbars dropper bars for XW-section up to 2000 A

	I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
				25°C	35°C	50°C	25°C	35°C	50°C
	A	mm²		A	A	A	W/m	W/m	W/m
Flat copper for XW-modules, with XDSF…-MC Center-to-center distance between phases 60 mm									
	1000	1 x 40 x 10	IP31 with ventilated top cover	1000	1000	1000	61	61	61
			IP31 with closed top cover	1000	1000	1000	61	61	61
			IP42 with ventilated top cover	1000	1000	1000	61	61	61
			IP42 with closed top cover	1000	1000	1000	61	61	61
			IP55	1000	1000	1000	61	61	61
	2000	2 x 40 x 10	IP31 with ventilated top cover	2000	2000	2000	131	131	131
			IP31 with closed top cover	2000	2000	2000	131	131	131
			IP42 with ventilated top cover	2000	2000	2000	131	131	131
			IP42 with closed top cover	2000	2000	2000	131	131	131
			IP55	2000	2000	2000	131	131	131

ATTENTION! Use Cu according to standard EN 13601-CU-ETP-R250-SH

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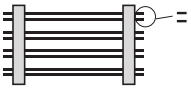
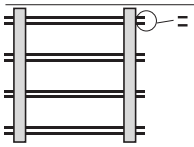
Max. current load and power loss [Pv] for busbars main busbars

	I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
				25°C	35°C	50°C	25°C	35°C	50°C
	A	mm²		A	A	A	W/m	W/m	W/m
Main busbars									
Flat copper at the rear with XBSB… busbar supports Center-to-center distance between phases 180 mm									
 00160116_0	1000	1 x 40 x 10	IP31 with ventilated top cover	1090	1000	860	73	61	45
			IP31 with closed top cover	1000	915	785	61	51	38
			IP42 with ventilated top cover	1030	930	785	65	53	38
			IP42 with closed top cover	955	870	740	56	46	33
			IP55	880	800	685	47	39	29
	1250	1 x 60 x 10	IP31 with ventilated top cover	1380	1260	1080	80	67	49
			IP31 with closed top cover	1310	1200	1030	72	60	44
			IP42 with ventilated top cover	1260	1170	1030	67	57	44
			IP42 with closed top cover	1180	1090	950	58	50	38
			IP55	1090	1000	860	50	42	31
	1600	2 x 40 x 10	IP31 with ventilated top cover	2190	2000	1720	158	131	97
			IP31 with closed top cover	2000	1830	1570	131	110	81
			IP42 with ventilated top cover	2040	1850	1570	137	112	81
			IP42 with closed top cover	1900	1730	1470	119	98	71
			IP55	1750	1600	1375	101	84	62
	2000	2 x 60 x 10	IP31 with ventilated top cover	2760	2520	2165	176	146	108
			IP31 with closed top cover	2630	2400	2060	159	133	98
			IP42 with ventilated top cover	2510	2330	2060	145	125	98
			IP42 with closed top cover	2350	2170	1890	127	109	82
			IP55	2190	2000	1720	111	92	68
	2500	2 x 80 x 10	IP31 with ventilated top cover	3220	2940	2525	188	157	116
			IP31 with closed top cover	3010	2750	2365	164	137	101
			IP42 with ventilated top cover	2960	2720	2365	159	134	101
			IP42 with closed top cover	2720	2500	2160	134	113	85
			IP55	2480	2270	1950	112	93	69
	3200	3 x 80 x 10	IP31 with ventilated top cover	3900	3600	3150	184	157	120
			IP31 with closed top cover	3530	3250	2830	151	128	97
			IP42 with ventilated top cover	3610	3330	2830	157	134	97
			IP42 with closed top cover	3280	3030	2620	130	111	83
			IP55	2950	2730	2400	105	90	70
	4000	3 x 80 x 10	IP31 with ventilated top cover	4100	3750	3220	203	170	125
			IP31 with closed top cover	3800	3470	2980	175	146	107
			IP42 with ventilated top cover	3800	3470	2980	175	146	107
			IP42 with closed top cover	3460	3160	2720	145	121	89
			IP55	3120	2850	2450	118	98	73
	4000	4 x 80 x 10	IP31 with ventilated top cover	5050	4600	3800	231	192	131
			IP31 with closed top cover	4800	4400	3645	209	176	121
			IP42 with ventilated top cover	4590	4260	3645	191	165	121
			IP42 with closed top cover	4420	4080	3450	177	151	108
			IP55	4240	3900	3260	163	138	96
	4500	5 x 80 x 10	IP31 with ventilated top cover	5730	5250	4350	238	200	137
			IP31 with closed top cover	5620	5150	4265	229	192	132
			IP42 with ventilated top cover	5180	4860	4265	195	171	132
			IP42 with closed top cover	5060	4650	3890	190	164	121
			IP55	5060	4650	3890	186	157	110
	5000	6 x 80 x 10	IP31 with ventilated top cover	6060	5550	4600	222	186	128
			IP31 with closed top cover	6060	5550	4600	222	186	128
			IP42 with ventilated top cover	5410	5130	4600	177	159	128
			IP42 with closed top cover	5460	5020	4200	179	156	117
			IP55	5460	5020	4200	180	152	107

ATTENTION! Use Cu according to standard EN 13601-CU-ETP-R250-SH

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Powering Business Worldwide

Max. current load and power loss [Pv] for busbars main busbars

	I_e up to	Busbar cross-section L1, L2, L3 and full N	Degree of protection	Permissible continuous current I depending on ambient temperature and degree of protection of the distribution sections			Power loss Pv		
				25°C	35°C	50°C	25°C	35°C	50°C
	A	mm²		A	A	A	W/m	W/m	W/m
Main busbars									
Flat copper at the top with XBST…-1 busbar supports Center-to-center distance between phases 60 mm									
 00160126_0	800	2 x 20 x 10	IP31 with ventilated top cover	1030	950	820	65	55	41
			IP31 with closed top cover	880	800	680	47	39	28
			IP42 with ventilated top cover	950	880	760	55	47	35
			IP42 with closed top cover	820	760	650	41	35	26
			IP55	690	630	530	29	24	17
	1250	2 x 40 x 10	IP31 with ventilated top cover	1625	1500	1290	87	74	55
			IP31 with closed top cover	1375	1250	1060	62	51	37
			IP42 with ventilated top cover	1500	1390	1200	74	63	47
			IP42 with closed top cover	1300	1200	1010	56	47	34
			IP55	1100	1000	830	40	33	23
	1600	2 x 60 x 10	IP31 with ventilated top cover	1950	1800	1560	88	75	56
			IP31 with closed top cover	1650	1500	1280	63	52	38
			IP42 with ventilated top cover	1800	1670	1450	75	64	48
			IP42 with closed top cover	1590	1460	1250	58	49	36
			IP55	1380	1250	1040	44	36	25
Flat copper at the top with XBST…busbar supports Center-to-center distance between phases 125 mm									
 00160136_0	1250	2 x 40 x 10	IP31 with ventilated top cover	1950	1800	1510	125	106	75
			IP31 with closed top cover	1650	1500	1280	89	74	54
			IP42 with ventilated top cover	1800	1670	1400	106	92	64
			IP42 with closed top cover	1640	1490	1220	88	73	49
			IP55	1470	1300	1030	71	56	35
	1600	2 x 60 x 10	IP31 with ventilated top cover	2500	2300	2000	144	122	92
			IP31 with closed top cover	2200	2000	1700	112	92	67
			IP42 with ventilated top cover	2310	2130	1850	123	105	79
			IP42 with closed top cover	2100	1920	1640	102	85	62
			IP55	1880	1700	1430	81	67	47
	2000	2 x 80 x 10	IP31 with ventilated top cover	2930	2720	2390	156	134	104
			IP31 with closed top cover	2430	2230	1930	107	90	68
			IP42 with ventilated top cover	2710	2520	2210	133	115	89
			IP42 with closed top cover	2450	2250	1950	109	92	69
			IP55	2180	1980	1680	86	71	51
	2500	2 x 100 x 10	IP31 with ventilated top cover	3350	3080	2690	171	144	110
			IP31 with closed top cover	2750	2590	2340	115	102	83
			IP42 with ventilated top cover	3100	2850	2490	146	123	94
			IP42 with closed top cover	2730	2530	2220	113	97	75
			IP55	2360	2200	1950	85	74	58
	3200	2 x 120 x 10	IP31 with ventilated top cover	3600	3350	3000	174	151	121
			IP31 with closed top cover	3320	3060	2670	148	126	96
			IP42 with ventilated top cover	3330	3100	2780	149	129	104
			IP42 with closed top cover	2950	2730	2410	117	100	78
			IP55	2560	2350	2040	88	74	56

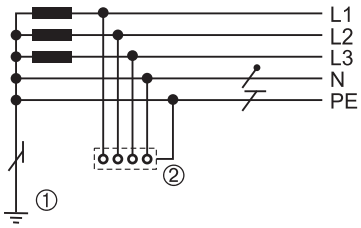
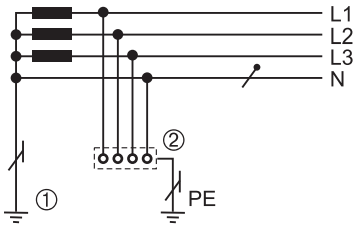
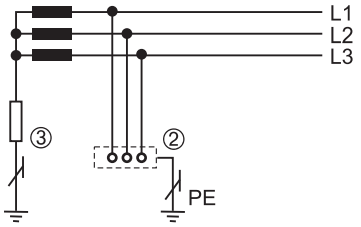
ATTENTION! Use Cu according to standard EN 13601-CU-ETP-R250-SH

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Protection against indirect contact by means of disconnection or indication

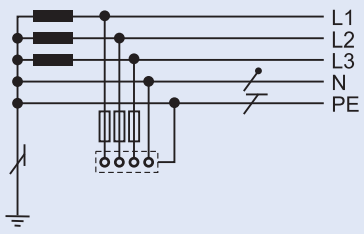
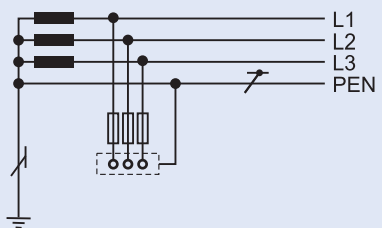
The conditions for disconnection depend on the type of network system in use and on the selected protective devices.

Systems acc. to IEC 364-3/VDE 0100 Part 310

Systems depending on the type of connection to earth	Meaning of abbreviations
TN network 	T: Direct earthing of one point (system earth) N: Chassis directly connected to the system earth
TT network 	T: Direct earthing of one point (system earth) N: Chassis directly earthed, independent from the earthing of the power supply (system earth)
IT network 	I: All live parts isolated from earth or one point connected to earth via an earth through impedance T: Chassis directly earthed, independent from the earthing of the power supply (system earth)

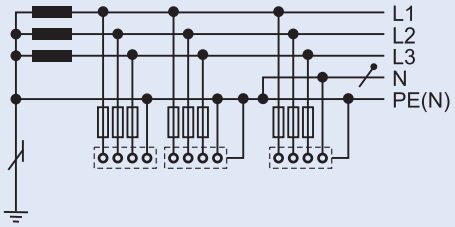
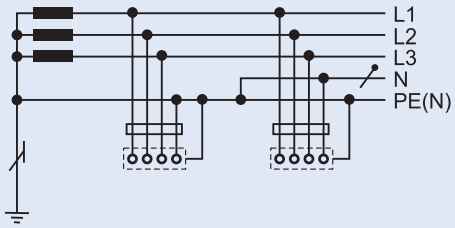
① System earth
② Chassis
③ Impedance

Protective devices and conditions for disconnection acc. to IEC 364-4-1/VDE 0100 Part 410

Type of network system	**TN-System**		
Protected through	Circuit principle	Designation so far	Condition for disconnection
Overcurrent protective device	TN-S-System Separate neutral and protective conductors throughout the system 		$Z_s \times I_a \leq U_0$ Z_s = Impedance of the fault circuit I_a = Current that causes disconnection in: • ≤ 5 s • ≤ 0,2 s in circuits up to 35 A with sockets and stationary, handheld components U_0 = Rated voltage against earthed conductor
Fuses Miniature circuit breakers Circuit breakers	TN-C-System Neutral conductor and protective functions throughout the system are combined in a single PEN conductor 	Protective multiple earthing	

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Protective devices and conditions for disconnection acc. to IEC 364-4-1/VDE 0100 Part 410

Type of network system	**TN System**		
Protected through	Circuit principle	Designation so far	Condition for disconnection
Overcurrent protective device	TN-C-S-System Neutral conductor and protective functions in a part of the system are combined in a single PEN conductor 		
Residual current protective device		RCD protective circuit	Z_s x $I_{\Delta n} \leq U_0$ $I_{\Delta n}$ = Rated fault current U_0 = Max. permissible touch voltage: ($\leq$ 50 V AC, $\leq$ 120 V DC)
Residual voltage protective device (special case)			
Insulation monitoring device			

xEnergy Main Switchboards

Overview of circuit types for incoming supplies, outgoers and couplings of 800 up to 5000 A, rear-mounted busbars

Overview of circuit types/network types for xEnergy Main with rear-mounted XP busbars + IZM1,2,3/NZM4

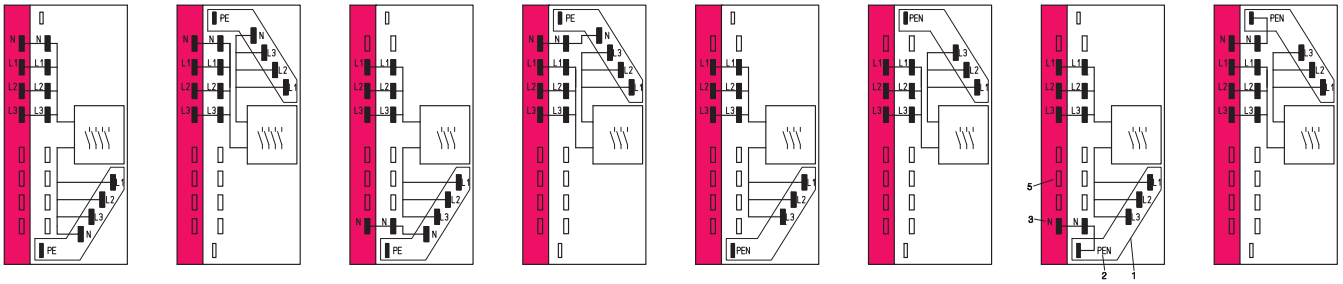
TN-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 4 poles L1, L2, L3, N
Connection: 5 cond. L1, L2, L3, N

TN-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 3 poles L1, L2, L3
Connection: 5 cond. L1, L2, L3, N

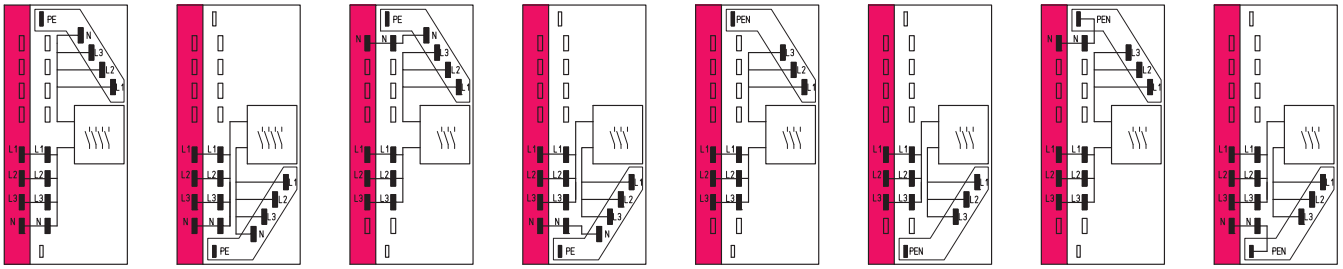
TN-C
Main busbar: 3 cond. L1, L2, L3
Device: 3 poles L1, L2, L3
Connection: 4 cond. L1, L2, L3

TN-C-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 3 poles L1, L2, L3
Connection: 4 cond. L1, L2, L3

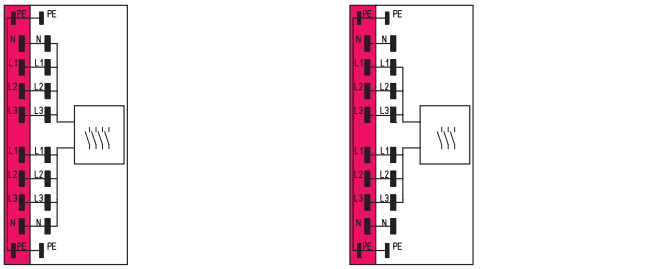
E13-45 E11-45 E13-35N E11-35 E13-34 E11-34 E13-34N E11-34



E31-45 E33-45 E31-35N E33-35 E31-34 E33-34 E31-34N E33-34



K13-45 K13-35 K13-34



xEnergy_Schaltungsarten

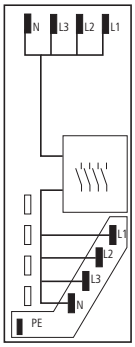
① Connection system: XCSIY and Wöhner
② TN-C-S: Connection PEN to main busbar N = main conductor cross-section
③ Main busbar-N: runs through all system sections of individual N brackets
④ PE at the top to PE at the bottom: Necessary with a change of the connection direction.
Can be implemented in each section.
⑤ Main busbar system: area for second busbar system (main busbar can lead through each system section) or area for N conductor
additional busbar area with 5000 A

Powering Business Worldwide

Overview of circuit-types for incoming supplies and outgoers of 800 up to 3200 A, top-mounted busbars

TN-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 4 poles L1, L2, L3, N
Connection: 5 cond. L1, L2, L3, N

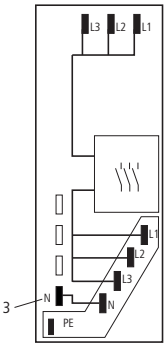
E13-45



00159241_0.

TN-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 3 poles L1, L2, L3
Connection: 5 cond. L1, L2, L3, N

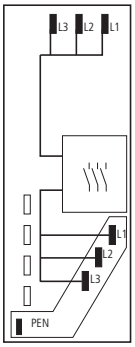
E13-35N



00159251_0

TN-C
Main busbar: 3 cond. L1, L2, L3
Device: 3 poles L1, L2, L3
Connection: 4 cond. L1, L2, L3

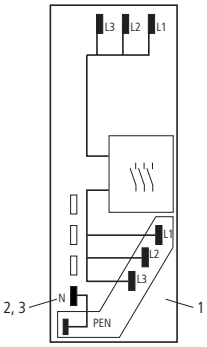
E13-34



00160296_0

TN-C-S
Main busbar: 4 cond. L1, L2, L3, N
Device: 3 poles L1, L2, L3
Connection: 4 cond. L1, L2, L3

E13-34N



00160306_0

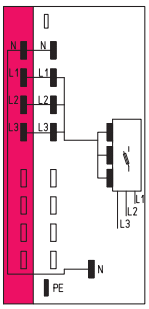
① Connection system: XCSIY and Wöhner
② TN-C-S: connection PEN to main busbar N = main conductor cross-section
③ Main busbar - N: runs through all system sections of individual N brackets position as with main busbar - N of rear-mounted busbars

Overview of circuit types for sections with PIFT switch fuse units or SL fuse switch disconnectors, vertical, outgoers up to 630 A, busbars rear-mounted

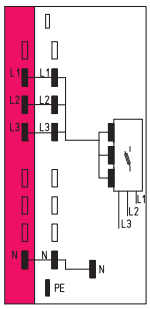
Overview of circuit types/network types for xEnergy Main with rear-mounted XF busbar + SSL (SL)

TN-S

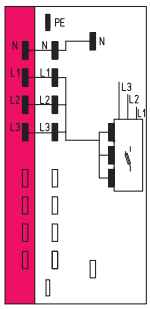
A13-45



A13-35N

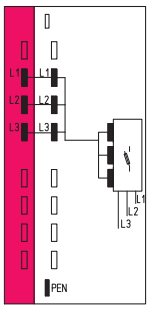


A11-35

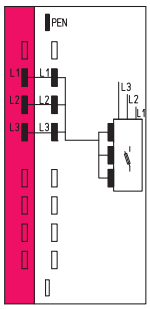


TN-C

A13-34

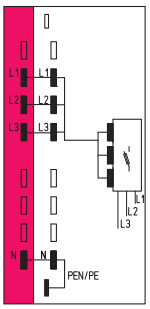


A11-34

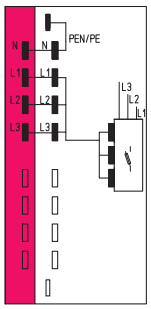


TN-C-S

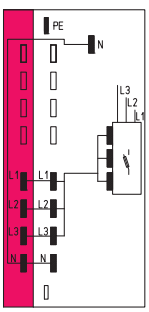
A13-34/35N



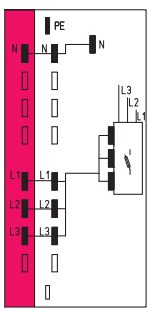
A11-34/35



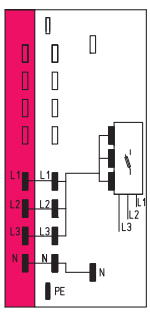
A31-45



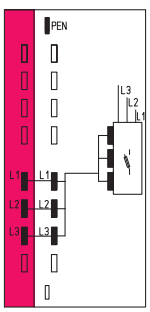
A31-35N



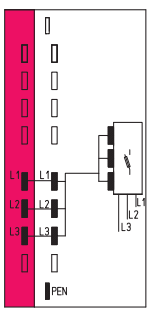
A33-35



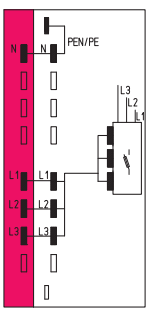
A31-34



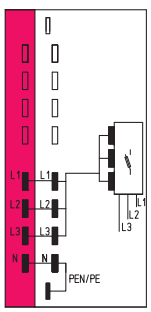
A33-34



A31-34/35N



A33-34/35

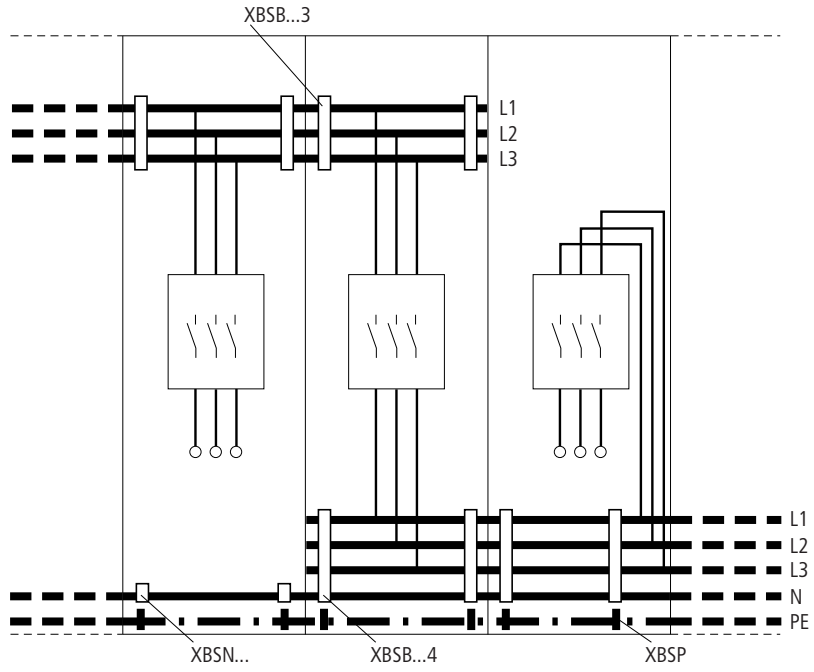


xEnergy_Schaltungsarten_SL

For 5000 A, the red-coloured parts are required in addition.

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Design example of rear-mounted busbars for section combinations with two incoming supplies and a coupling for TN-S- networks, 3-pole circuit



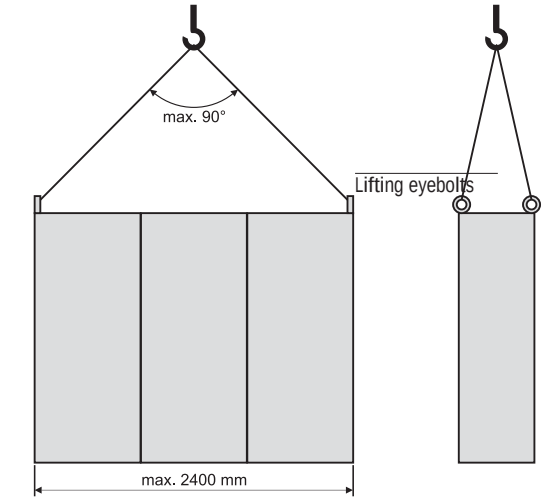
00160456_0

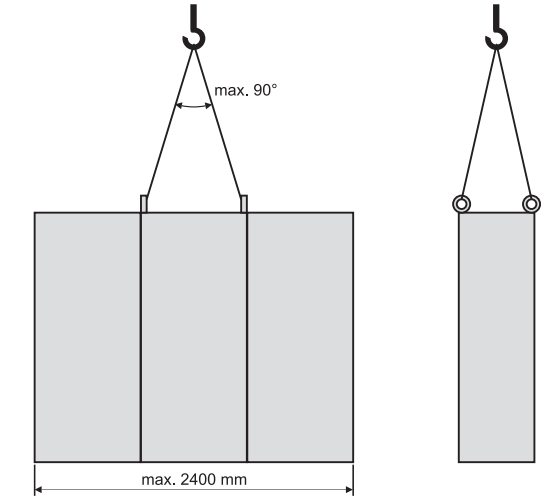
Transport and dimensions Transport examples for switchboard combinations

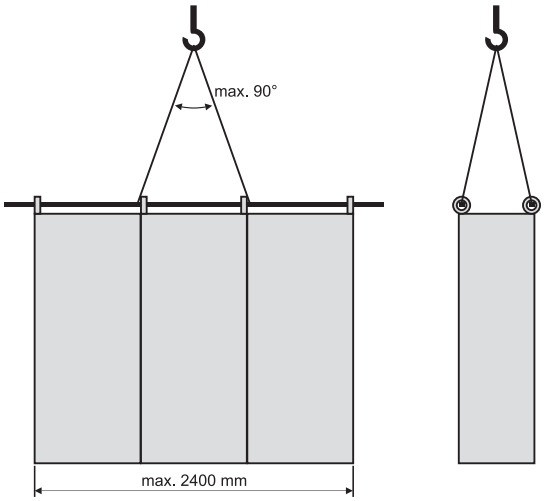
Transport examples for switchboard combinations

A switchboard combination assembled with connection kits that we provide can only be transported if 4 lifting eyebolts are used as shown in the examples below. The angle of the transport ropes at the suspension point should not exceed 90°.

The width of a combination should not exceed 2400 mm.
Max. 1000 kg.







Transp_Schrankkombi

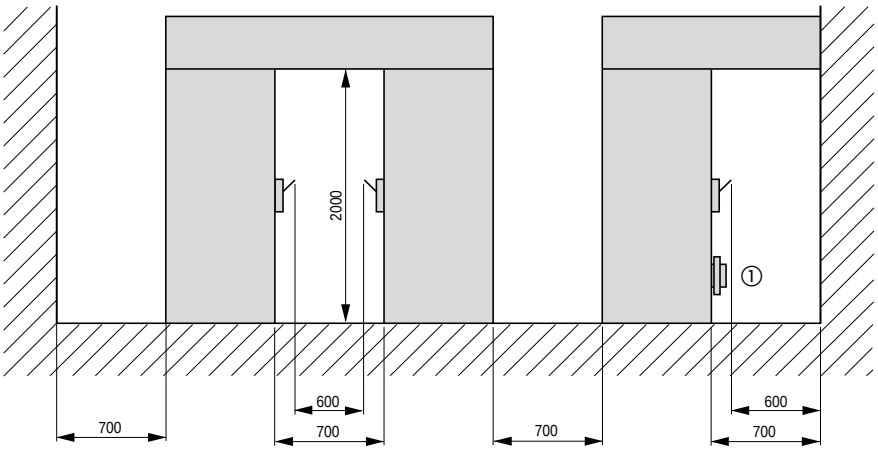
Recommendation:
Fully equipped, copper-carrying sections should be individually transported.

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Further information setup instructions for xEnergy Main

Operation and maintenance gangways within switchgear assemblies

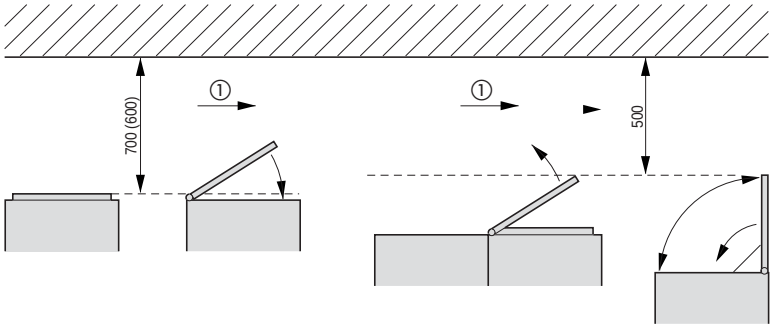
The minimum width for operation and maintenance gangways of switchgear assemblies is 700 mm, the minimum headroom under the panelling is 2000 mm. If a lift truck is used for exchanging circuit breakers, gangway dimensions must be taken into account during the design stage.



① drawer unit in disconnected position

Systems for 5000 A rated current at the main busbar (depth = 1000 mm) must allow for access from the rear. A minimum clearance of 700 mm to the nearest wall or to the next cabinet must be respected so as to ensure an uncomplicated setup of the system and the correct execution of service jobs.

Doors of a switchgear assembly should be arranged in a way that they close in the direction of the emergency exit route. With a different arrangement, a free minimum clearance of 500 mm must be provided for. If switchgear combinations are set up opposite each other, it is not necessary to anticipate that the doors on both sides are open at the same time.

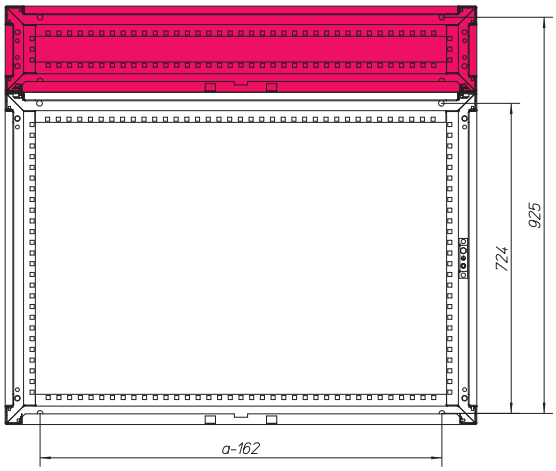


① Direction of the emergency exit route

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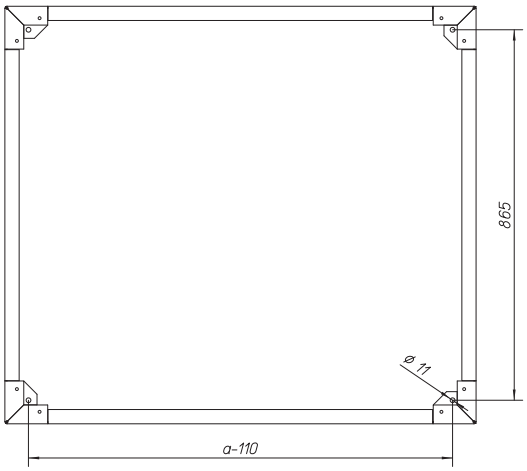
Further information setup instructions for xEnergy Main

Bottom view of distribution sections



For 5000 A, the red-coloured parts are required in addition.

Bottom view of plinth

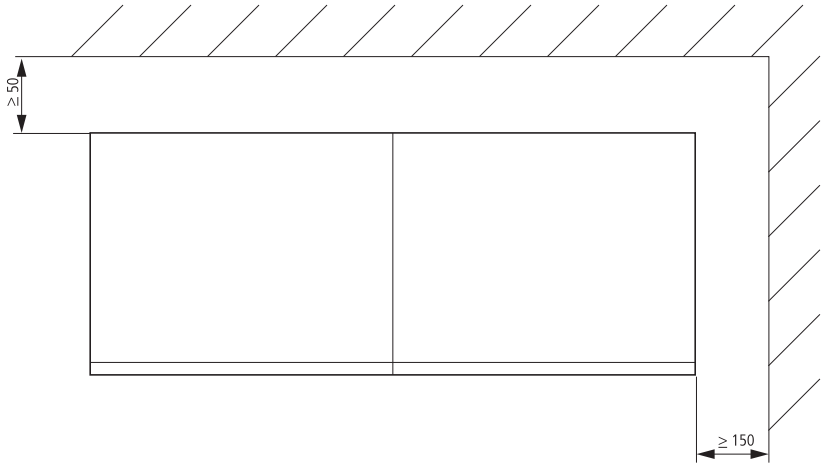


e.g. a (section width) - 162 = distance between the holes for fixing the plinth

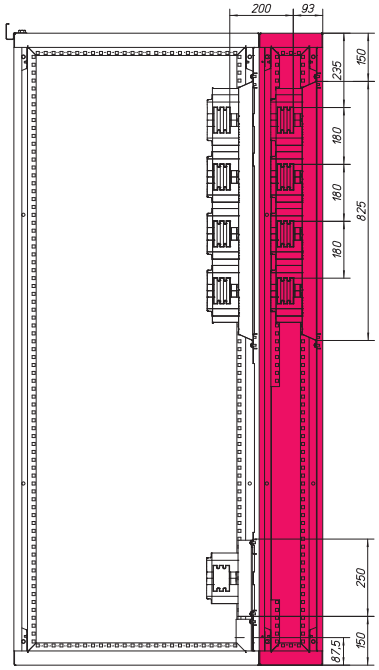
a = section width

Section width	425, 600, 800, 850, 1000, 1100, 1200 and 1350 mm
Section depth with section door	400, 600, 800 and 1000 (800 + 200) mm
Section depth without section door	375, 575, 775 and 975

Top view of setup (stand-alone)



General overview - side view of a section

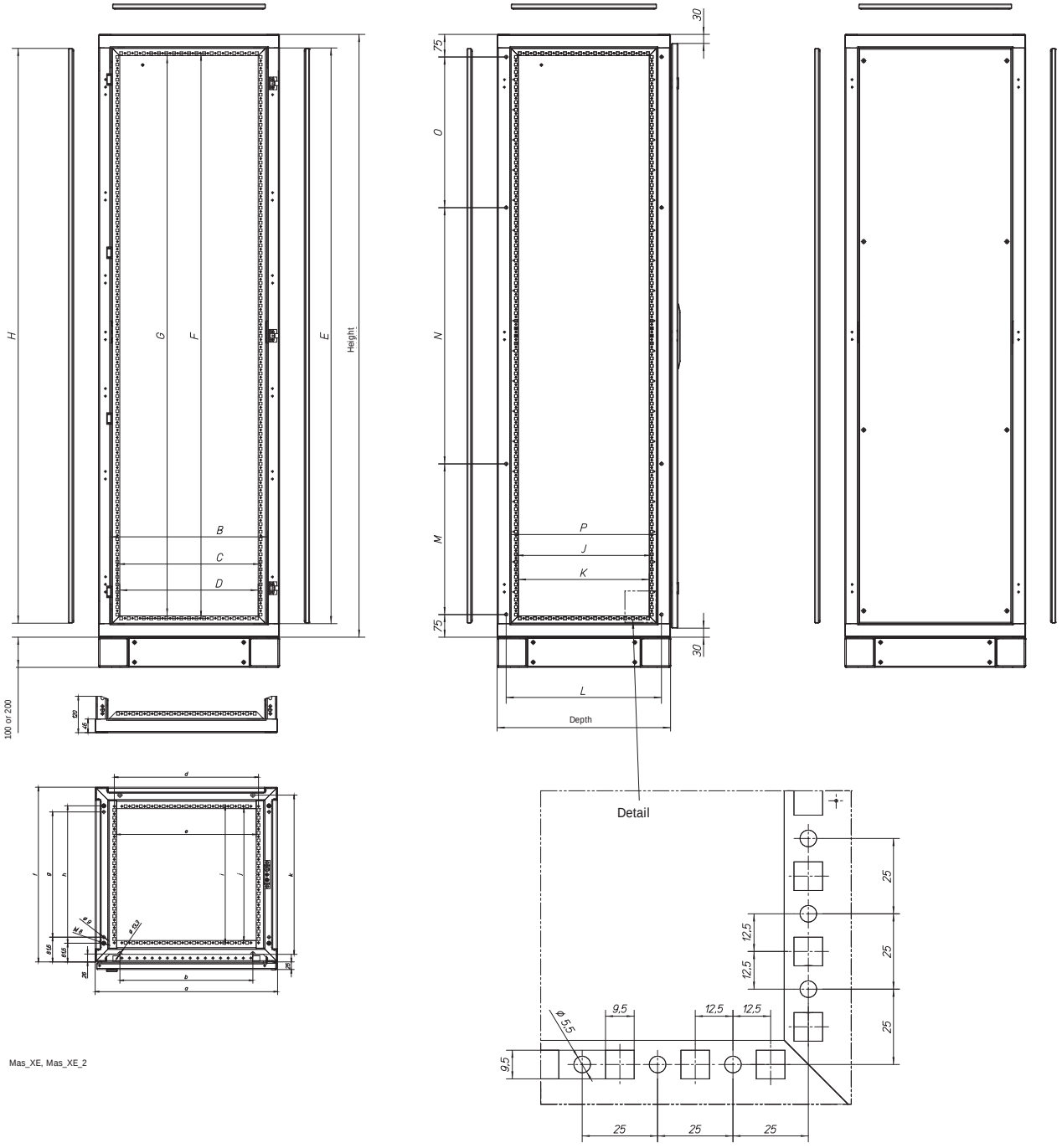


For 5000 A, the red-coloured parts are required in addition.

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Dimensions

xEnergy Main Dimensions



Mas_XE, Mas_XE_2

	a	b	c	d	e
W300	300	138	211	175	160
W425	425	263	336	300	285
W600	600	438	511	475	460
W800	800	638	711	675	660
W850	850	688	761	725	710
W1000	1000	838	911	875	860
W1100	1100	938	1011	975	960
W1200	1200	1038	1111	1075	1060
W1350	1350	1188	1261	1225	1210

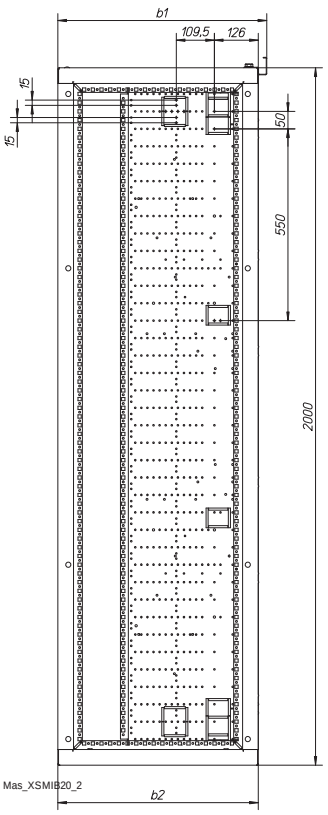
	f	g	h	i	j	k
300	276	113	153	150	135	225
400	376	213	253	250	235	325
500	476	313	353	350	335	425
600	576	413	453	450	435	525
800	776	613	653	650	635	725

Double-wing doors are used as of width 1000.

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Dimensions - XG Emty sections

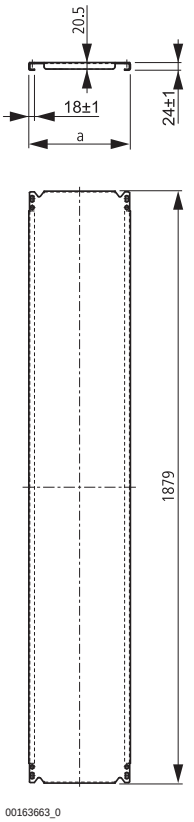
XSMIB20



b1	b2
600	575
800	775

Fitting kit for mounting plates as high as the section

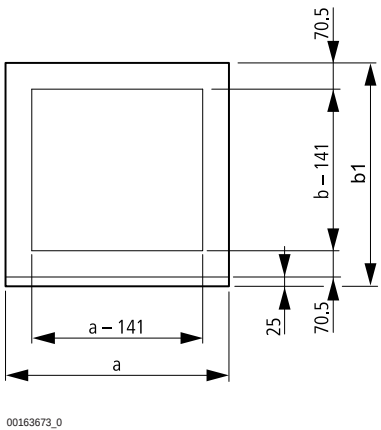
XSMMFB20...



a
322
497
697
897
1097

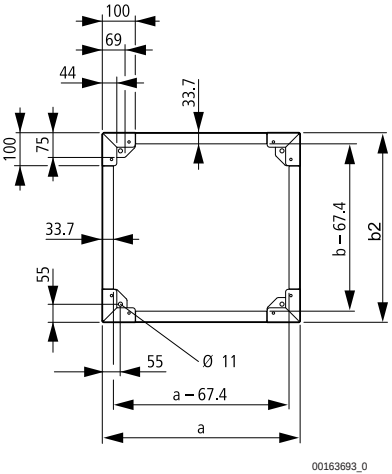
Section bottom clearance

XSFB...



Floor-fixing of plinth

XAP...



a
425
600
800
850
1000
1100
1200
1350

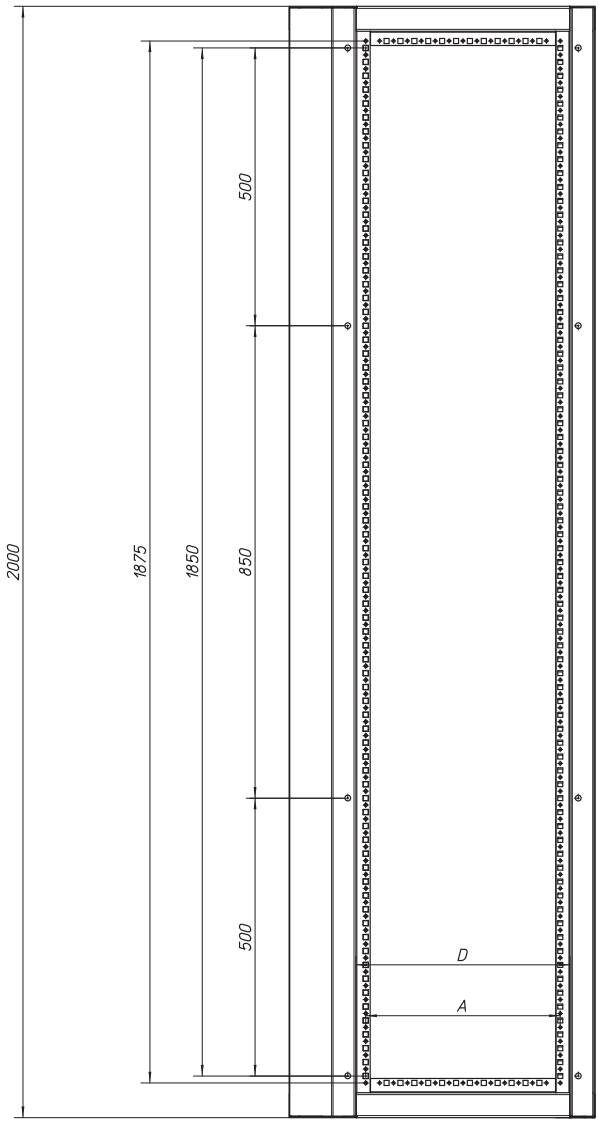
b1	b2
600	575
800	775
1000	975

b1 = Depth with door
b2 = Section depth without door

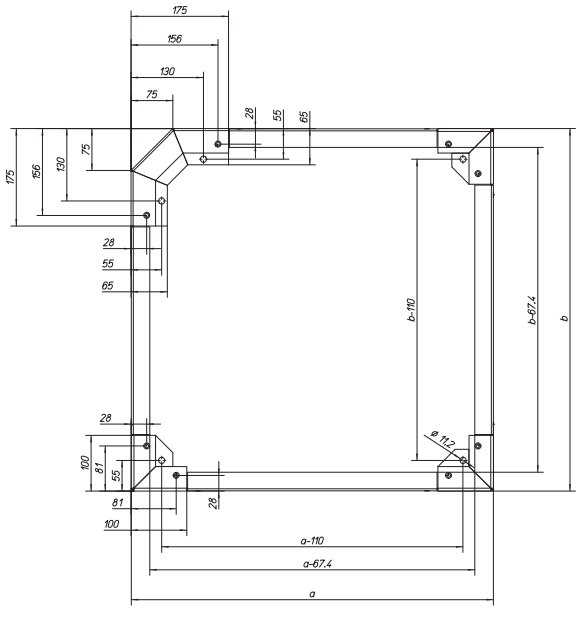
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Dimensions

Corner Frame



Mas_XVTL_CF



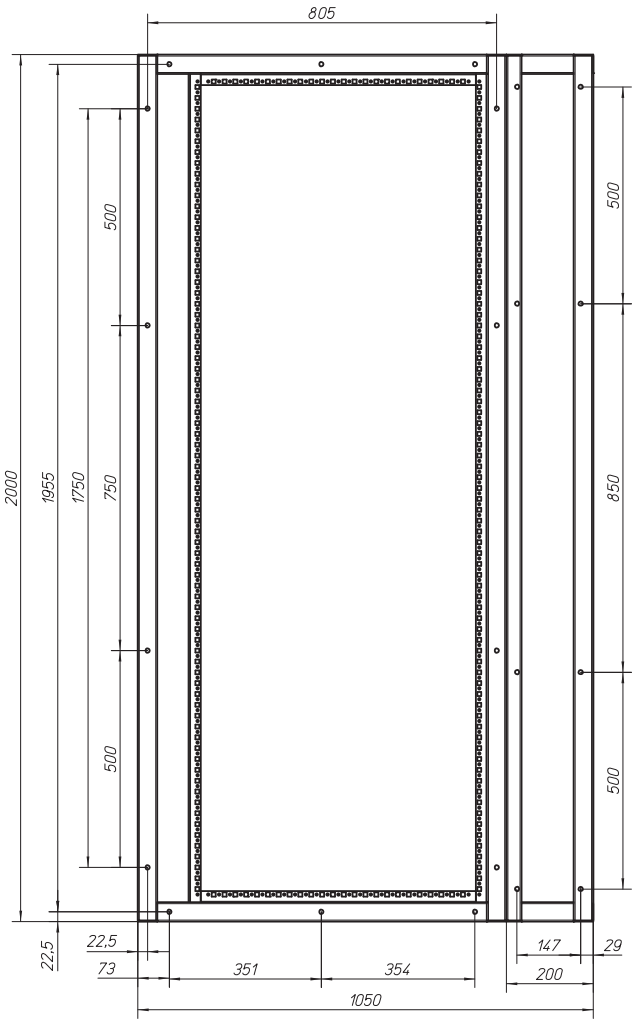
Mas_XAP_Ecksockel

a = 650, 850
b = 650, 850

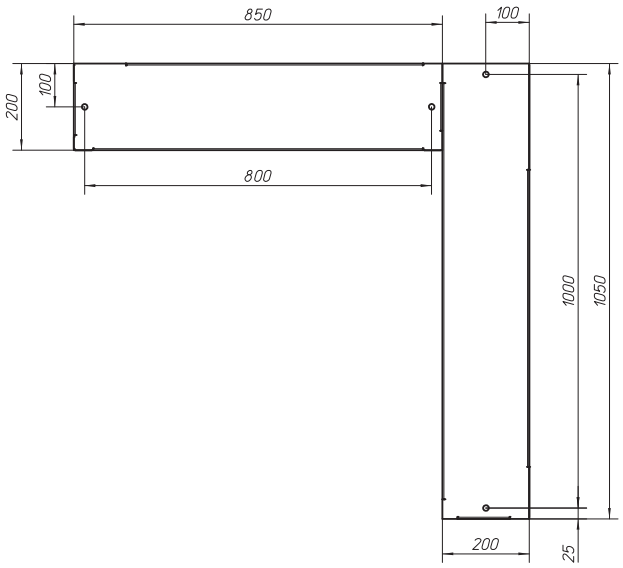
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Dimensions

Corner sections in 5000 A systems



Corner sections in 5000 A systems need to be set up in the same way as standard frames, i.e. with an additional frame of 200 mm depth. This additional frame must be fixed at the rear of a standard corner section of 800 mm depth. The total section depth is 1000 mm.

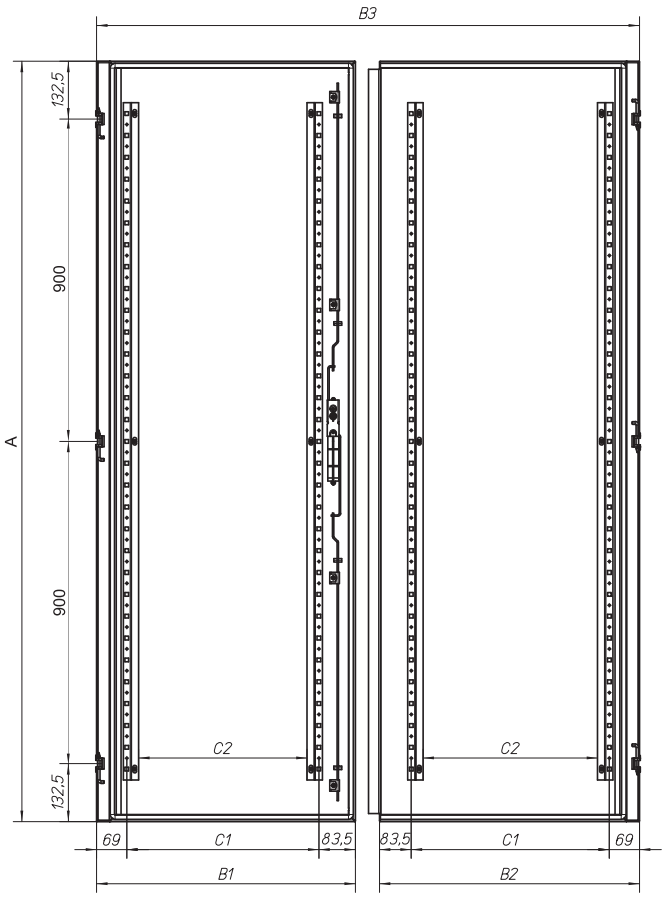


Mas_Eckfeld_5000A

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Dimensions

Doors as high as the section

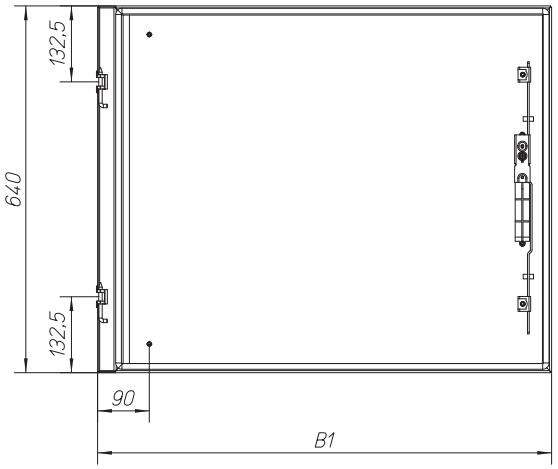


Mas_XSDMC

Width	B1	B2	B3	C1	C2
425	417	-	-	264,5	210,5
600	592	-	-	439,5	385,5
800	792	-	-	639,5	585,5
850	842	-	-	689,5	635,5
1000	992	-	-	839,5	785,5
1000	492	495	992	339,5	285,5
1100	542	545	1092	389,5	335,5
1200	592	595	1192	439,5	385,5
1350	667	670	1342	514,5	460,5

Height	A
2000	1940

Door to switchgear area - height 640 mm (1/3 door)



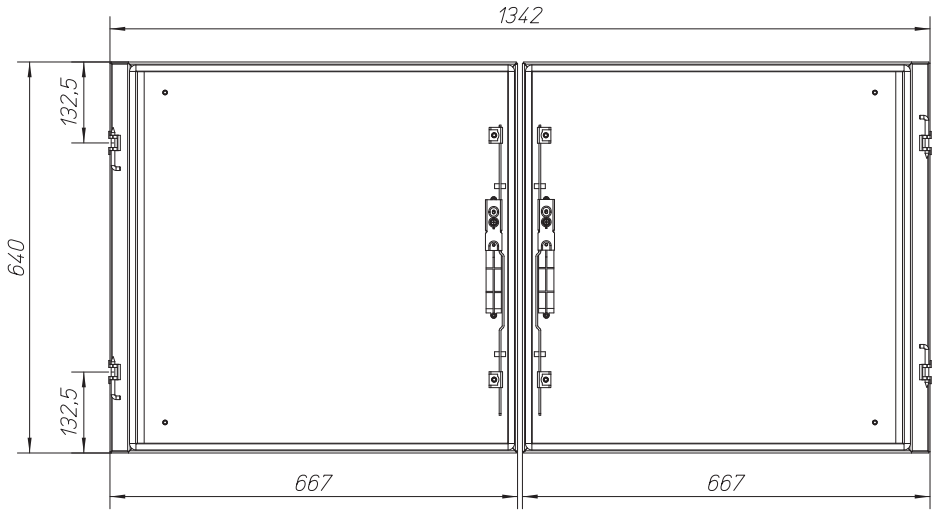
Mas_XE_Dritteltuer

Width	B1
425	425
600	600
800	800
1000	1000
1100	1100
1200	1200

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Dimensions

Door to switchgear area, divided in the middle, for 1350 mm section width

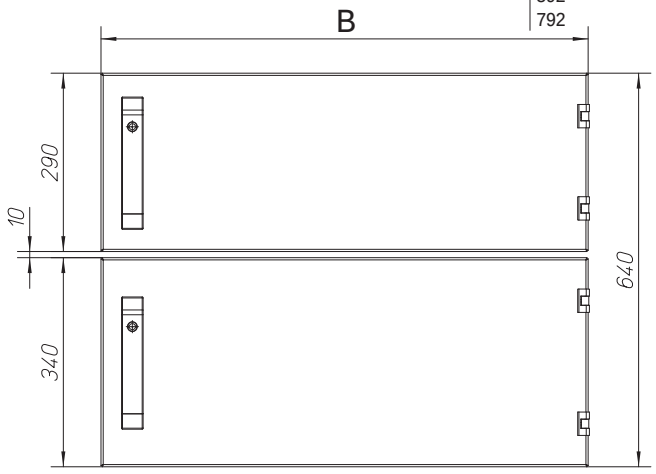


Mas_XE_Tuer_1350_geteilt

Door to switchgear area for main busbar area at the top
In section width of 800 mm only

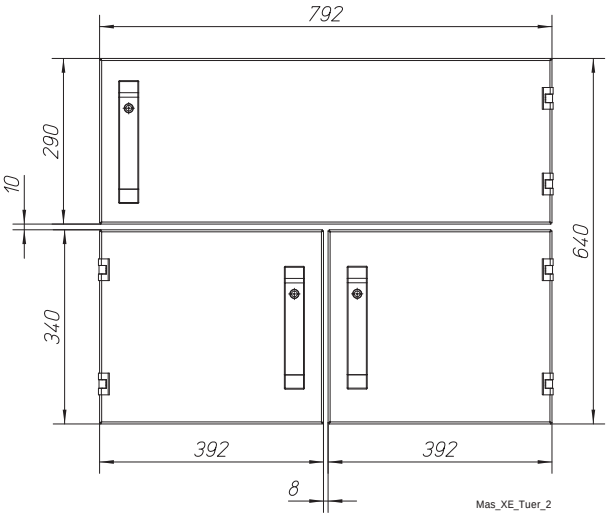
Options:
Two undivided doors as wide as the section
Door H-290mm = Door to main busbar area
Door H-340mm = Door to switchgear area

Width	B
	417
	592
	792



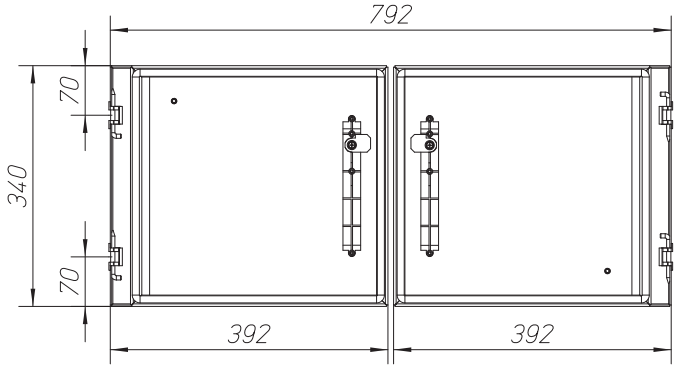
Mas_XE_Tuer_1

One undivided door as wide as the section
A pair of doors, together as wide as the section
Door H-290mm = Door to main busbar area
Door H-340mm = Door to switchgear area

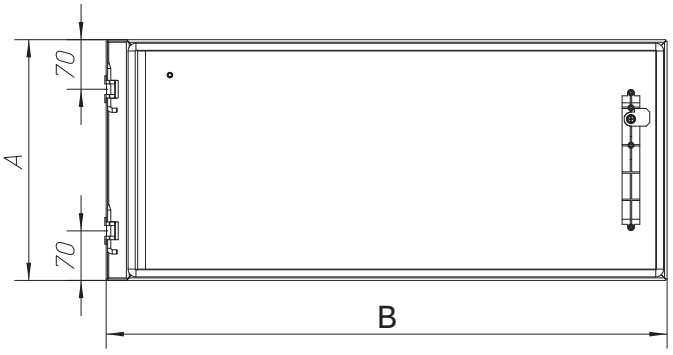


Mas_XE_Tuer_2

Detailed drawings of the doors to the switchgear area



Mas_XE_Tuer_Detail_1



Height	A
	290
	340

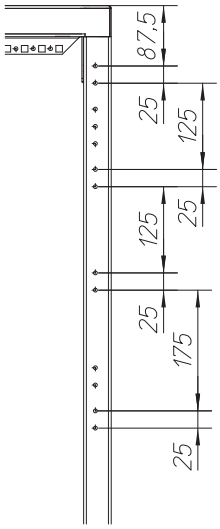
Width	B
	417
	592
	792

Mas_XE_Tuer_Detail_2

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Dimensions

Drilling template for the hinges
at the frame stand



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Further information - Passive Arc Fault Protection acc. to IEC-TR61641

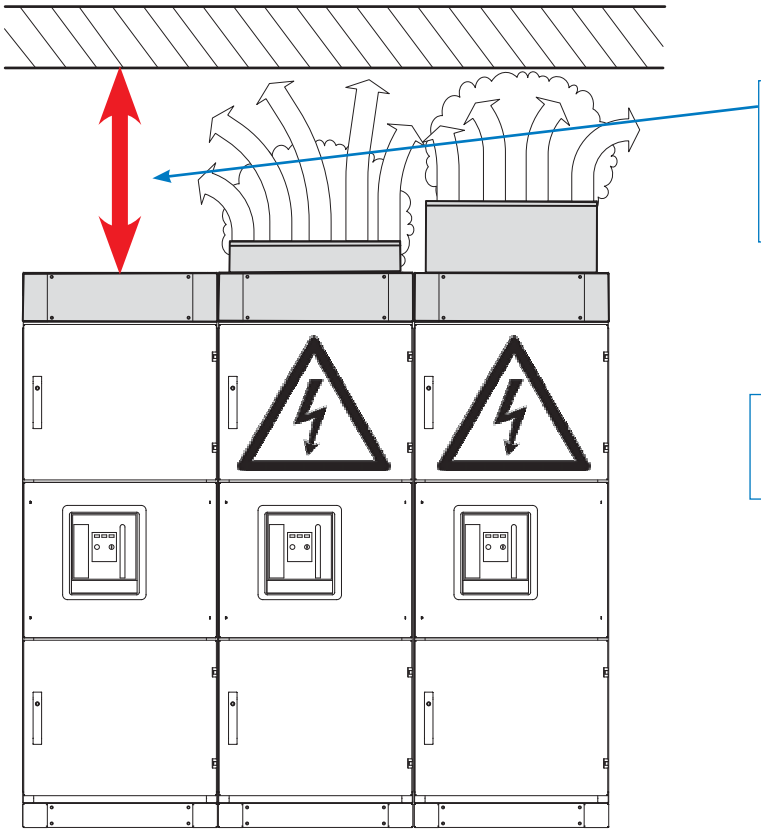
Tested according to IEC/TR61641 in combination with a rear-mounted main busbar.

Technical data

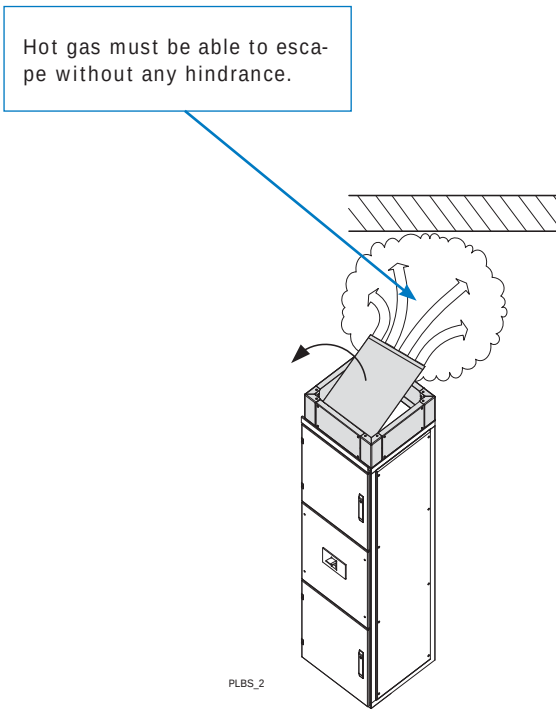
Rated voltage	U_e	415V	480V
Criterion		1-6	1-5
Rated insulation voltage	U_i	1000V	1000V
Rated frequency		50/60Hz	50/60Hz
Uninfluenced current allowed in arc fault conditions	I_{parc}	65kA	35kA
Allowed burning duration of an arc fault	t_{arc}	300ms	300ms
Degree of pollution		3	3
Degree of protection		IP30	IP30
Internal separation		Form 4	Form 4
Arc-fault-free zone in the cable connection system		Yes	No

Building-related pre-requisites:

The entire concept of protecting people is based on the idea of making the pressure due to hot gas developing in the cabinet during an arc fault escape through the top. This is why it is compulsory to have sufficient room height and/or space between the cabinet and the ceiling or other superstructures to ensure that the pressure relief covers can open completely. The minimum distance between the upper edge of the cabinet and the ceiling (or the deepest element of the building) is at least the depth of the cabinet. This is a pre-requisite for the gas to escape from the cabinet without hindrance.



PLBS_1



PLBS_2

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Further information - Passive Arc Fault Protection acc. to IEC-TR61641

In order to meet Employees' Safety in the Workplace requirements, criteria 1-5 must be complied with.

Criterion 1:

a) Ventilations:

Ventilation slots in doors, rear panels, front, floor and top panels are not allowed in order to prevent hot gas from escaping towards people. This is to make sure that hot gas can be guided towards the top panel. The increased pressure building up during an arc fault blows off the PVC screws in the arc fault cover and all the energy set free in the form of hot gas can escape through the top panel.

No ventilation possible



VT09609

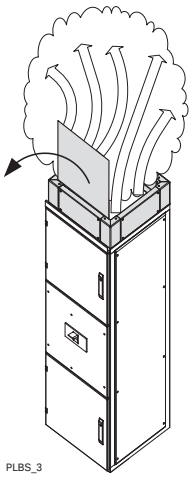
All panels must be without ventilation slots



VT09509

b) Arc fault cover:

The special cover plate is fixed with hinges at the front, and with plastic screws at the back. The increased pressure building up during an upcoming arc fault will tear off the screws and open the cover for the gas to escape. The hinges of the arc fault cover must always be fixed at the front of the cabinet in order not to guide the gas towards people who might be in front of the cabinet.



PLBS_3

c) Properly secured doors - tailhooks:

To make sure that the doors stay closed in case of an arc fault it is necessary to replace the closure hooks of doors (by default supplied in plastic version) by a reinforced metal version. The same applies for the rod guides of the control lever. These are also to replace from plastic to metal version.

Reinforced locking hooks and rod guides come as an accessory with the arc fault cover and do not need to be ordered separately.



vt12116

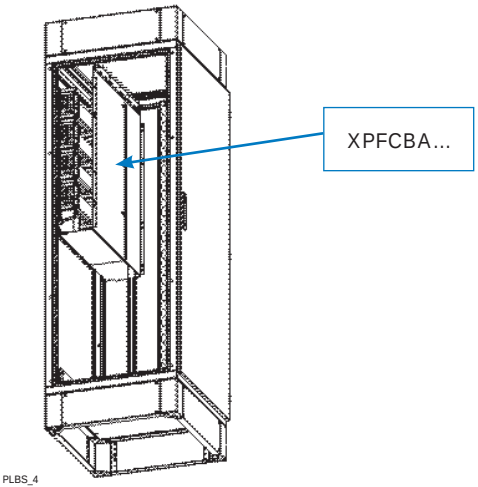


vt12016

Further information - Passive Arc Fault Protection acc. to IEC-TR61641

d) Internal separation

In general sections where the main busbar is covered (by equipment) over the entire section width, the main busbar separation needs to be replaced (i.e. the standard article = XPFCB.. needs to be replaced by a separation suitable for arc fault protection = XPFCBA..). This separation makes sure that the pressure caused by an arc fault can escape through the arc fault protection cover.

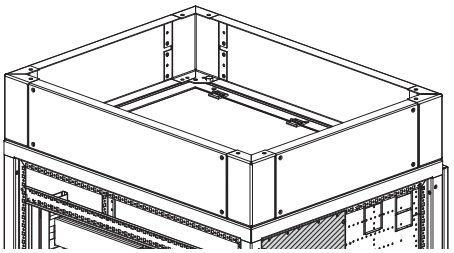


PLBS_4

Criterion 2: No system elements that might open or be blown off

Plinth

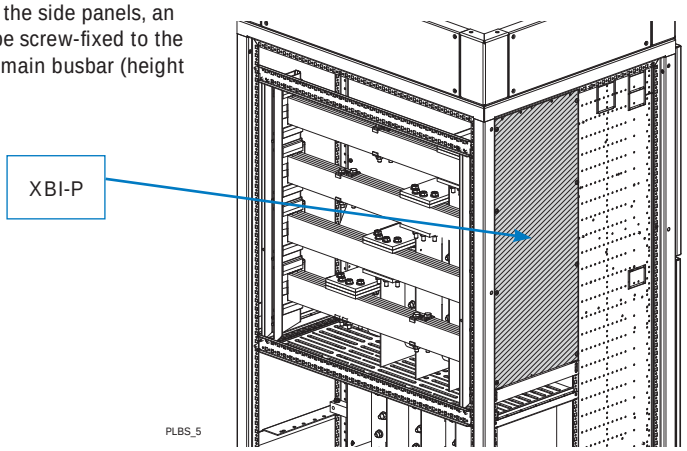
In addition it is necessary to fix a plinth at the top of the cabinet to make sure that in case of an arc fault (explosion) the arc fault protection cover does not open any further than 90“. This is to avoid any further hazard due to a suddenly opening cover for people who might be positioned in front of the cabinet. Of course it is not allowed to fix any other system-specific, individual non-secured elements. Doors are secured through Criterion 1.



PLBS_5

Criterion 3: No holes in the casing due to the effect of an arc fault (burning holes)

To make sure that in case of an arc fault no gas can escape through the side panels, an additional insulating plate needs to be fixed (XBI-P). This plate will be screw-fixed to the frame and the universal carrier plate (XSMIB20) at the height of the main busbar (height profile). In front of an XAW... side panel respectively.



PLBS_5

Criterion 4: No catching fire of vertically positioned indicators

The indicators vertically positioned during the test must not catch fire due to escaping gas. Pre-requisite for this not to happen is that there are no ventilation slots or other openings in the panels or in the outer skin. Gaps or cracks must not open up during an upcoming arc fault. So the re-inforced tailhooks are there to prevent them.

An additional function of the plinth at the top is also to guide the escaping hot gas towards the “top“. This also ensures that the indicators cannot catch fire and provides the best possible protection for people.

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Further information - Passive Arc Fault Protection acc. to IEC-TR61641

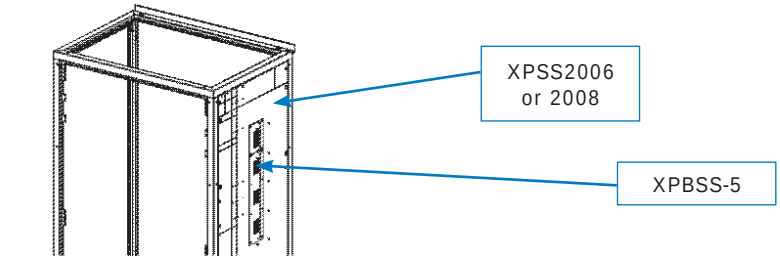
Criterion 5:

The protective conductor circuit for parts of the casing that can be touched is still fully functional.

System protection is provided for if Criteria 1 to 5 plus Criterion 6 are complied with

Criterion 6:

The arc fault is limited to the defined area within the switchgear assembly and there is no new catching fire possible in the adjacent areas within the switchgear assembly. This can be achieved by adding an additional separation (XPBSS-5) in combination with the section-to-section separation (XPSS2006 or 2008) between the individual sections. This will make sure that adjacent sections cannot be damaged or affected by an arc fault.

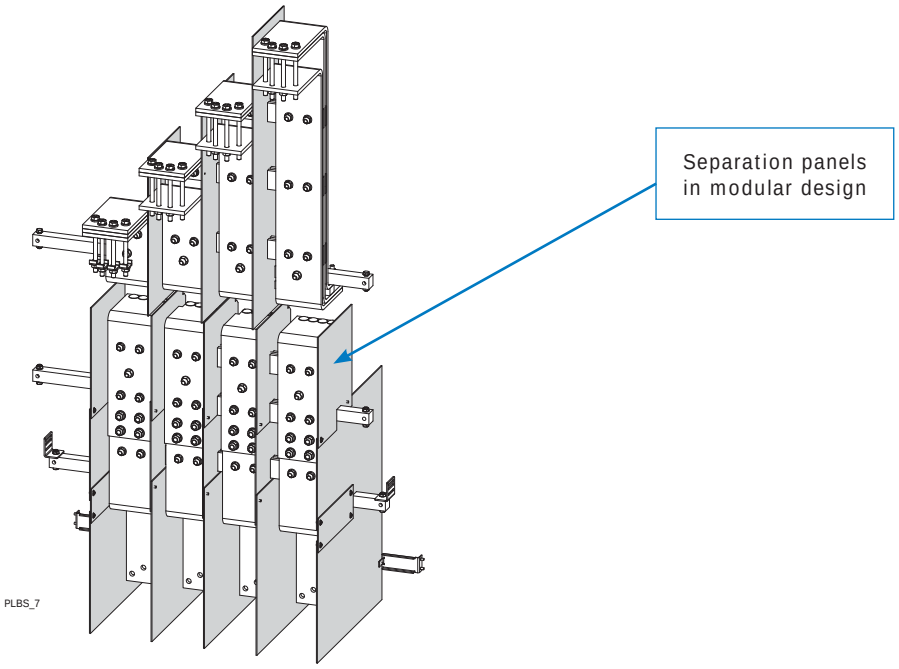


PLBS_6

Arc-fault-free zone at 415V

This is part of a power circuit within a switchgear assembly where it is not possible to use an ignition wire without destroying the insulation material of the wires.
In our system arc-fault-free zones are limited to XP sections. To be able to make these sections arc-fault-free you need to install insulation plates (XPIX16CC06, XPIX40CC06, XPIX40CC08, XPI63CC10) between the individual Cu conductors.

These insulation plates are designed in a modular way and can be retrofitted (after copper-plating incl. stabilsors). These additional separation panels need to be used with circuit breakers IZMX16 and a section depth of 600mm, with IZMX40 and section depths of 600 and 800mm as well as with IZM63 and a section depth of 1000mm.



PLBS_7

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Further information - Earthquake-safety for xEnergy Main

Test according to the following standards:

IEC 60068-3-3: Level AG2 and AG5
UBC-Code: Zone 4
IEEE Std 344: class 1E (OBE @ AG2 und SSE @ AG5)
IEEE Std. 693: moderate Level (0,25g) und high Level (0,5g)

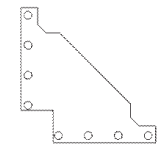
with ongoing operation during an earthquake.

Description of how a bracket set works (XASMS/ Art.no.: 171739)

To reinforce a casing/frame so as to make it resistant to extreme strain that may occur during an earthquake it is necessary to use additional reinforing brackets (see table below). The required brackets are combined in a set which can be used per section, irrespective of the type of section (XP, XF, XR, XW, XG). Depending on the configuration of the section, the brackets may/must be fixed at different positions.

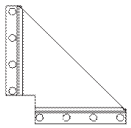
Overview of the different brackets:

Version 1



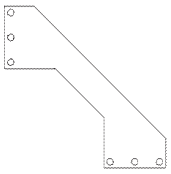
Erdbeb_1

Version 2



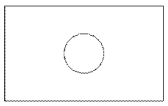
Erdbeb_2

Version 3



Erdbeb_3

Shim



Erdbeb_4

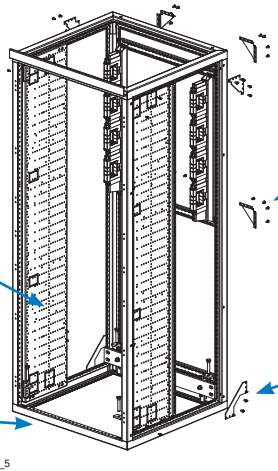
Explanation

As a general rule, it depends on the selected basic type and on the configuration of the section where and which brackets should be fixed. This depends on the position of the main busbar, of N, PEN, and 2 x main busbar coupling sections ...

Please refer to the instructions in IL-XASMS-156 to see which type of bracket needs to be used with the different configurations.

Where multi-functional panels are used, it is not necessary to fix any additional brackets at the front. The required stability is provided by the side panels.

Which brackets need to be used depends on the configuration of the section:
Basic type, position of the main busbar, number of main busbars used, form of internal separation, ...



Especially designed reinforcement brackets to allow building up on top of PE/PEN.

No plinth possible/permitted

Erdbeb_5

Explanation of the cabinet front

As a general rule, it is not necessary to mount additional brackets at the cabinet front with configurations that include fitting kits with universal mounting plates on the side. For applications of this kind the required stability is provided by the lateral universal carrier plates (XSMIB20 with XP or the different multi-functional walls of outgoing sections in Form 4). With general sections (XG) and all variants of power/outgoing sections in Form 2, it is compulsory to fix reinforcement brackets (version 1) in the front corners. An exception to this rule is when the PE/PEN conductor is mounted at the front of the section. In this case please use „Version 3“ brackets. These brackets have a special design/shape which allows the PE/PEN conductor to be inserted without any problem.

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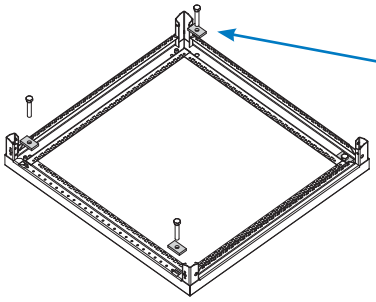
Further information - Earthquake security for xEnergy Main

Socket

In general, do not fit plinth for cabinets wich need earthquake security!

Fixing of the cabinets

Cabinets must be secured against slipping or unintended moving at their location. For this purpose it is necessary to screw-fix the cabinets on the floor. To be able to fix the cabinet frame sufficiently on the floor, please use special shims between the frame and the fixing screw. These shims make sure that the fixing screws cannot be pulled through the enclosure in the event of an earthquake (enlargement/ reinforcement of the contact surface of the fixing screws); they are also included in the reinforcement brackets set.



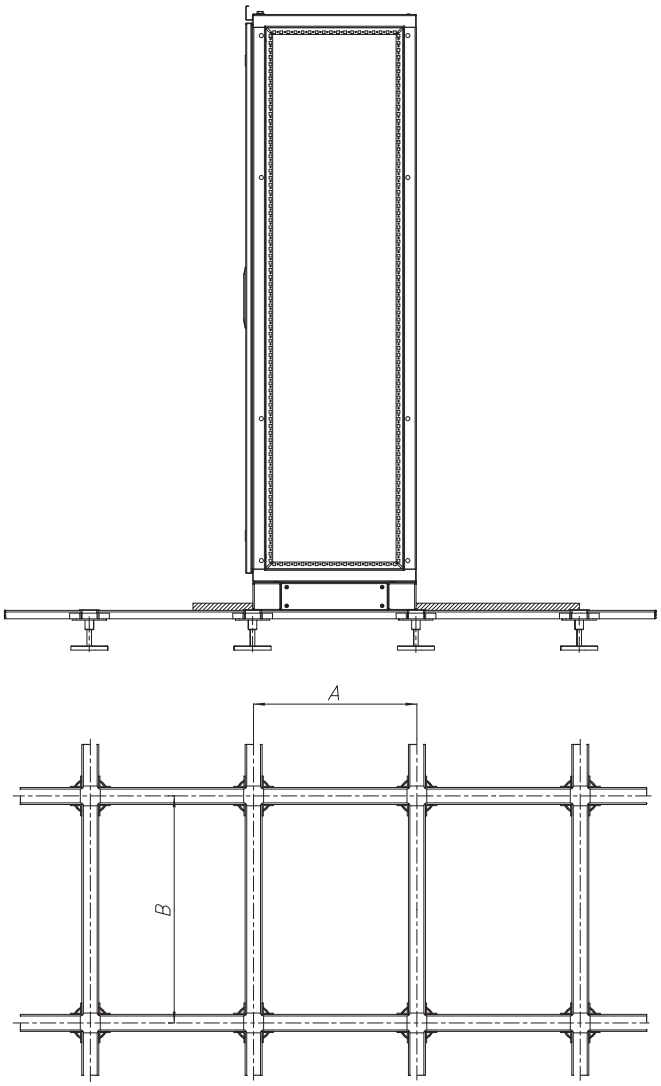
Erdbeb_6

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Further information - Setup instructions for xEnergy Main

If the xEnergy Main system is set up on a paved floor (no false floor), tolerances of the floor must not exceed +/- 2mm. On floors with an unevenness of >2mm you need to use I or U-shaped profiles to provide for an even surface. Ideally these profiles should be integrated in the floor beforehand.

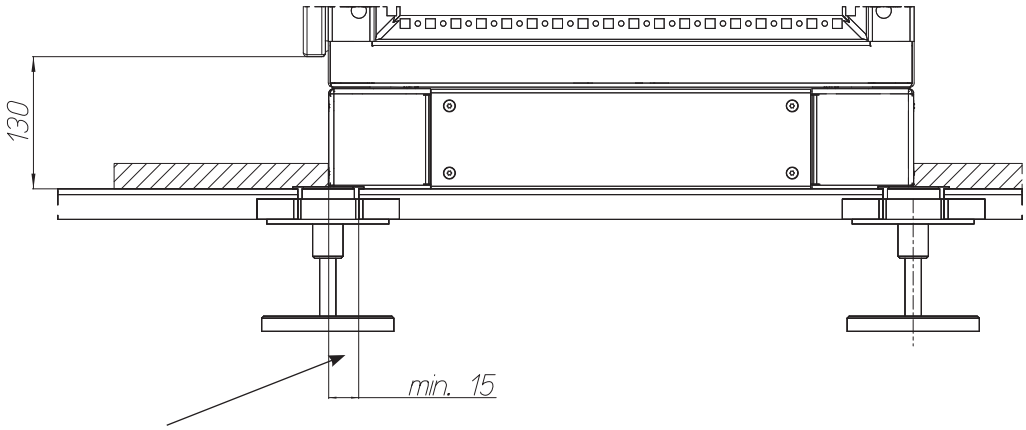
If false floors are installed on site, they need to be installed as shown in the drawing below. Please note that the cabinets need to be equipped with a base plinth (see drawing) if the thickness of the false floor panel is >20mm.



A = 375 mm
575 mm
775 mm

B = 425 mm
600 mm
800 mm
850 mm
1000 mm
1100 mm
1200 mm
1350 mm

False floor



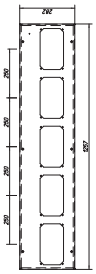
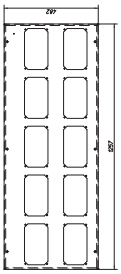
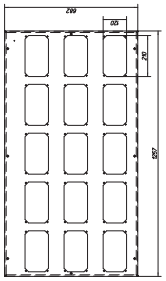
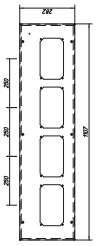
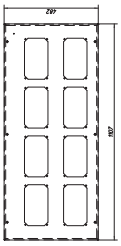
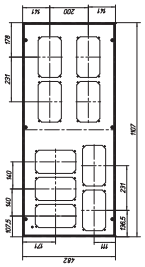
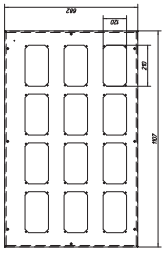
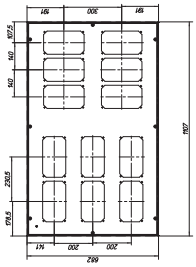
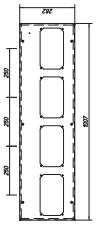
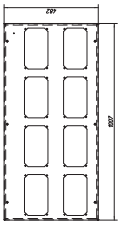
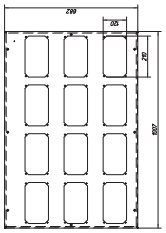
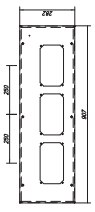
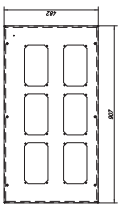
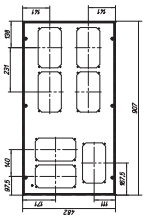
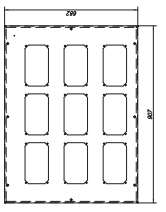
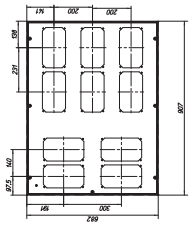
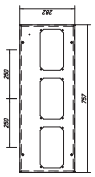
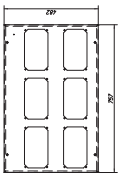
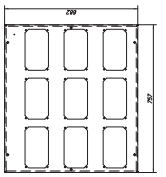
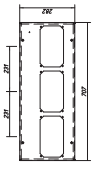
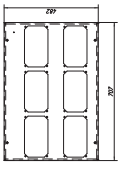
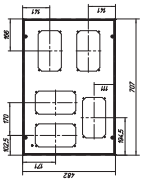
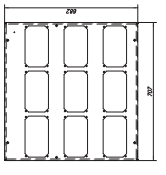
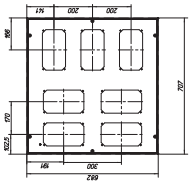
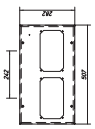
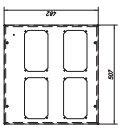
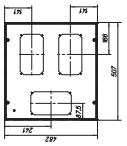
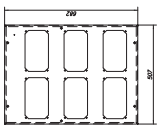
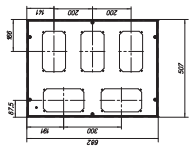
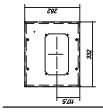
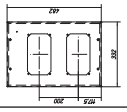
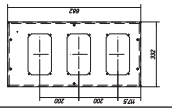
False floor_Detail

· min. surface standing on the framework bottom = 15 mm²
· when using false floor panels of a thickness >20 mm, cabinets must be equipped with a base plinth to make sure that the doors open without any problems

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Dimensions

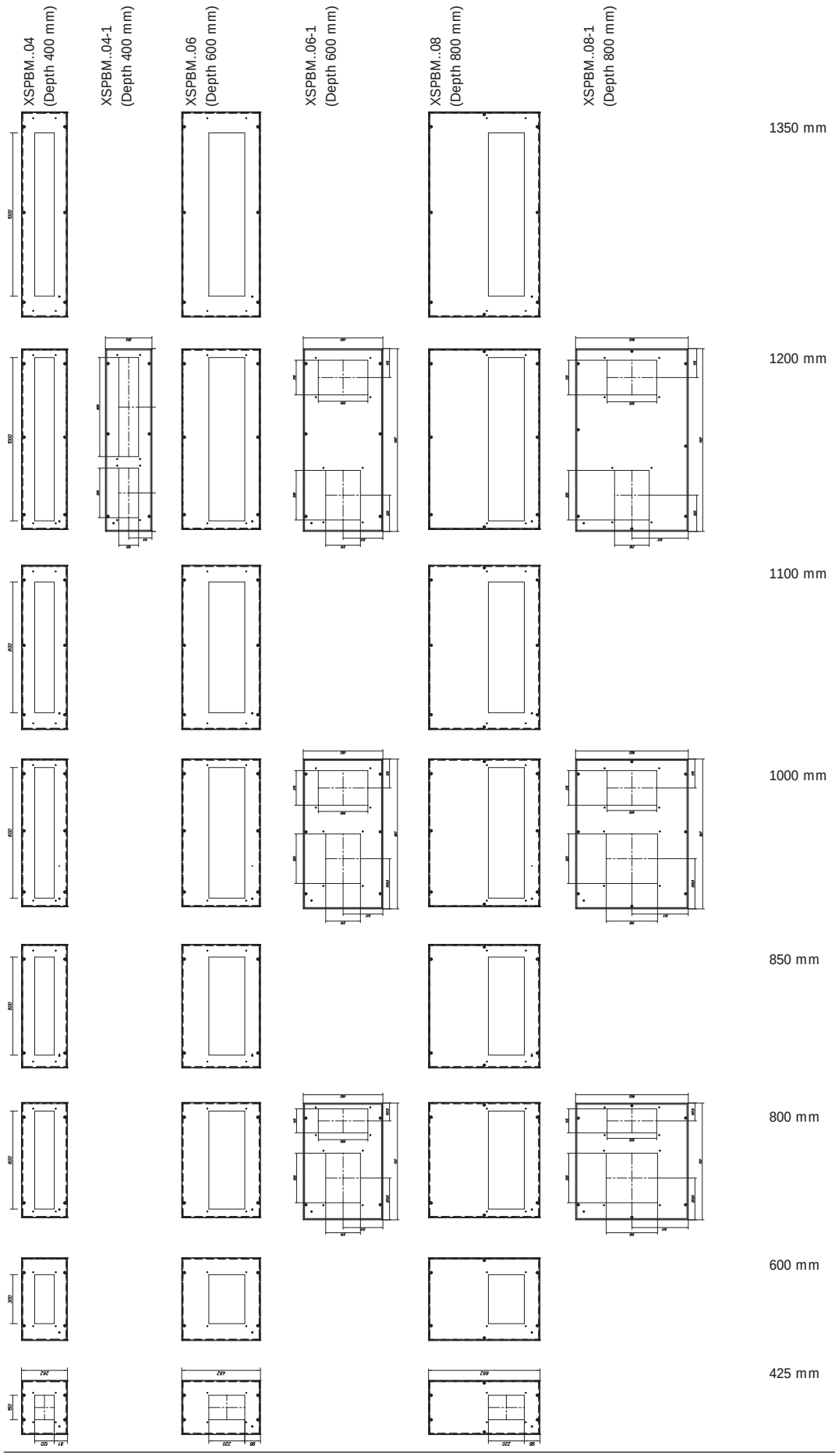
XSPTF Top/Bottom Cover

XSPTF..04 (Depth 400 mm)	XSPTF..06 (Depth 600 mm)	XSPTF..06-XF (Depth 600 mm)	XSPTF..08 (Depth 800 mm)	XSPTF..08-XF (Depth 800 mm)	
					1350 mm
					1200 mm
					1100 mm
					1000 mm
					850 mm
					800 mm
					600 mm
					425 mm

Powering Business Worldwide

Dimensions

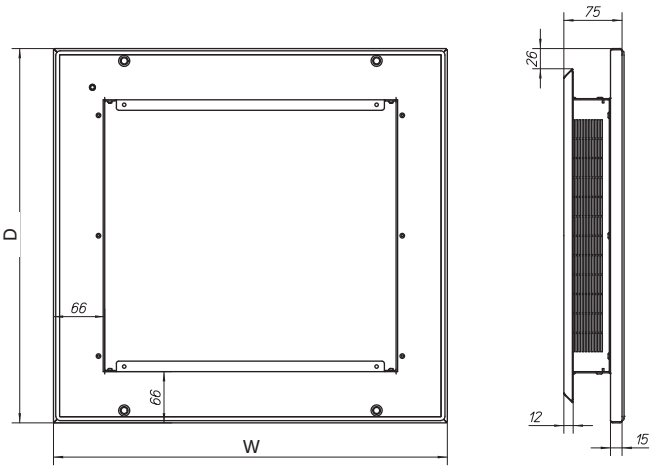
XVTL-MP/T/EF, XSPTF Top/Bottom Cover



Powering Business Worldwide

Dimensions

XAD Top Cover



MAS_XAD

Depth	Width	W	D
400	400	332	282
400	600	507	282
400	800	707	282
400	850	757	282
400	1000	907	282
400	1100	1007	282
400	1200	1107	282
400	1350	1257	282
600	400	332	482
600	600	507	482
600	800	707	482
600	850	757	482
600	1000	907	482
600	1100	1007	482
600	1200	1107	482
600	1350	1257	482
800	400	332	682
800	600	507	682
800	800	707	682
800	850	757	582
800	1000	907	682
800	1100	1007	582
800	1200	1107	682
800	1350	1257	582

Powering Business Worldwide

Dimensions

XE Bottom panels

XSPBAC... = without foam



XE_Bodenplatte_1

Available in 2 versions:

Suitable for section width

XSPBAC..01

Type
Section width
Flange size

Section width can be selected from 425-1350 mm

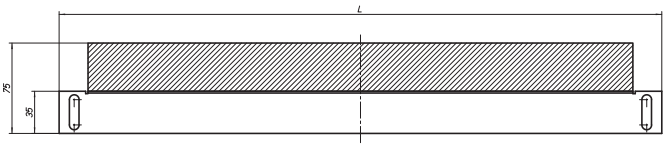
Suitable for section depth

XSPBAC01..

Type
Flange size
Section depth

Section depth can be selected from 400-800 mm

XSPBA... = with foam



XE_Bodenplatte_2

Available in 2 versions:

Suitable for section width

XSPBA..01

Type
Section width
Flange size

Section width can be selected from 425-1350 mm

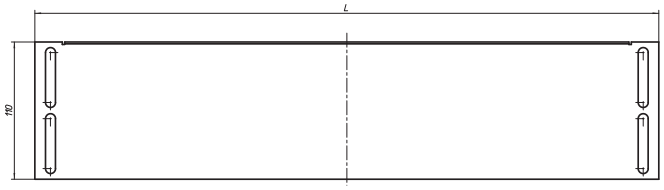
Suitable for section depth

XSPBA01..

Type
Flange size
Section depth

Section depth can be selected from 400-800 mm

XSPBAC... = without foam



XE_Bodenplatte_3

Available in 2 versions:

Suitable for section width

XSPBAC..02

Type
Section width
Flange size

Section width can be selected from 425-1350 mm

(Width 700 is for closing switchgear areas of a PIFT section)

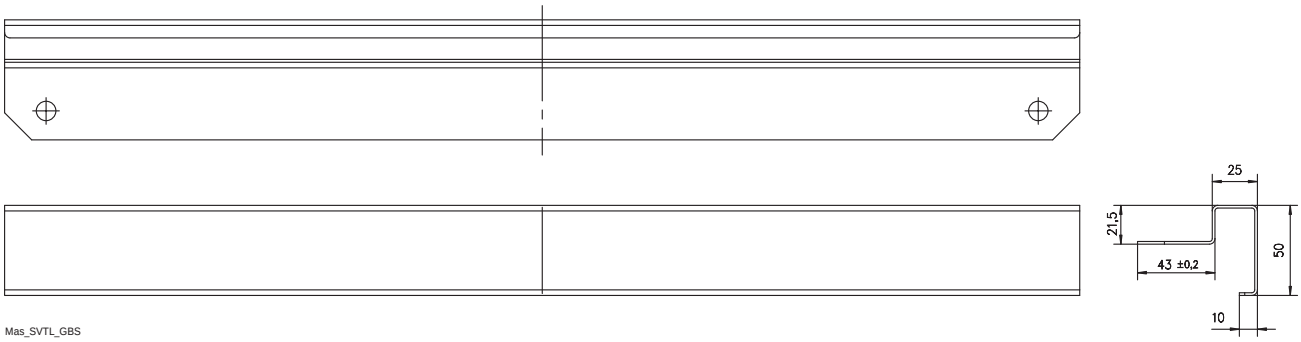
Suitable for section depth

XSPBAC02..

Type
Flange size
Section depth

Section depth can be selected from 400-800 mm

XSFDR Blue Design Strip



Mas_SVTL_GBS

Powering Business Worldwide

Dimensions

XE Bottom panels, divided insertion



XE_Boden_Einf_geteilt

Powering Business Worldwide

Dimensions

XE Bottom panels, insertion width

Einf.	BxT = 425x400	BxT = 425x600	BxT = 425x800	BxT = 600x400	BxT = 600x600	BxT = 600x800	BxT = 800x400	BxT = 800x600	BxT = 800x800	BxT = 1000x400	BxT = 1000x600	BxT = 1000x800	BxT = 1200x600	BxT = 1200x800
4/2	4 St. XSPBA0401	6 St. XSPBA0401 1 St. XSPBAC0402	6 St. XSPBA0401 3 St. XSPBAC0402	4 St. XSPBA0601	6 St. XSPBA0601 1 St. XSPBAC0602	6 St. XSPBA0601 3 St. XSPBAC0602	4 St. XSPBA0801	6 St. XSPBA0801 1 St. XSPBAC0802	6 St. XSPBA0801 3 St. XSPBAC0802	4 St. XSPBA1001	6 St. XSPBA1001 1 St. XSPBAC1002	6 St. XSPBA1001 3 St. XSPBAC1002	6 St. XSPBA1201 1 St. XSPBAC1202	6 St. XSPBA1201 3 St. XSPBAC1202
2/1	2 St. XSPBA0401 1 St. XSPBAC0402	4 St. XSPBA0401 2 St. XSPBAC0402	4 St. XSPBA0401 3 St. XSPBAC0402	2 St. XSPBA0601 1 St. XSPBAC0602	4 St. XSPBA0601 2 St. XSPBAC0602	4 St. XSPBA0601 3 St. XSPBAC0602	2 St. XSPBA0801 1 St. XSPBAC0802	4 St. XSPBA0801 2 St. XSPBAC0802	4 St. XSPBA0801 3 St. XSPBAC0802	2 St. XSPBA1001 1 St. XSPBAC1002	4 St. XSPBA1001 2 St. XSPBAC1002	4 St. XSPBA1001 3 St. XSPBAC1002	4 St. XSPBA1201 2 St. XSPBAC1202	4 St. XSPBA1201 3 St. XSPBAC1202
2/1	2 St. XSPBA0401 3 St. XSPBAC0402	2 St. XSPBA0401 3 St. XSPBAC0402	2 St. XSPBA0401 3 St. XSPBAC0402	2 St. XSPBA0601 3 St. XSPBAC0602	2 St. XSPBA0601 3 St. XSPBAC0602	2 St. XSPBA0601 3 St. XSPBAC0602	2 St. XSPBA0801 3 St. XSPBAC0802	2 St. XSPBA0801 3 St. XSPBAC0802	2 St. XSPBA0801 3 St. XSPBAC0802	2 St. XSPBA1001 3 St. XSPBAC1002	2 St. XSPBA1001 3 St. XSPBAC1002	2 St. XSPBA1001 3 St. XSPBAC1002	2 St. XSPBA1201 3 St. XSPBAC1202	2 St. XSPBA1201 3 St. XSPBAC1202
blind	3 St. XSPBAC0402	5 St. XSPBAC0402	5 St. XSPBAC0402	3 St. XSPBAC0602	5 St. XSPBAC0602	5 St. XSPBAC0602	3 St. XSPBAC0802	5 St. XSPBAC0802	5 St. XSPBAC0802	3 St. XSPBAC1002	5 St. XSPBAC1002	5 St. XSPBAC1002	5 St. XSPBAC1202	5 St. XSPBAC1202

Dimensions

XE Bottom panels, insertion depth

Einf.	BxT = 425x400	BxT = 600x400	BxT = 800x400	BxT = 1000x400	BxT = 1200x600
4/2	4 St. XSPBA0104 1 St. XSPBAC0104	4 St. XSPBA0104 2 St. XSPBAC0204	4 St. XSPBA0104 4 St. XSPBAC0204	4 St. XSPBA0104 6 St. XSPBAC0204	4 St. XSPBA0106 8 St. XSPBAC0206
2/1	2 St. XSPBA0104 2 St. XSPBAC0204	2 St. XSPBA0104 1 St. XSPBAC0104 3 St. XSPBAC0204	2 St. XSPBA0104 1 St. XSPBCA0104 5 St. XSPBAC0204	2 St. XSPBA0104 7 St. XSPBAC0204	2 St. XSPBA0106 9 St. XSPBAC0206
blind	3 St. XSPBAC0204	5 St. XSPBAC0204	7 St. XSPBAC0204	9 St. XSPBAC0204	11 St. XSPBAC0206

Einf.	BxT = 425x600	BxT = 600x600	BxT = 800x600	BxT = 1000x600	BxT = 1200x800
4/2	4 St. XSPBA0106 1 St. XSPBAC0106	4 St. XSPBA0106 2 St. XSPBAC0206	4 St. XSPBA0106 4 St. XSPBAC0206	4 St. XSPBA0106 6 St. XSPBAC0206	4 St. XSPBA0108 8 St. XSPBAC0208
2/1	2 St. XSPBA0106 2 St. XSPBAC0206	2 St. XSPBA0106 1 St. XSPBAC0106 3 St. XSPBAC0206	2 St. XSPBA0106 1 St. XSPBCA0106 5 St. XSPBAC0206	2 St. XSPBA0106 7 St. XSPBAC0206	2 St. XSPBA0108 9 St. XSPBAC0208
blind	3 St. XSPBAC0206	5 St. XSPBAC0206	7 St. XSPBAC0206	9 St. XSPBAC0206	11 St. XSPBAC0208

Einf.	BxT = 425x800	BxT = 600x800	BxT = 800x800	BxT = 1000x800
4/2	4 St. XSPBA0108 1 St. XSPBAC0108	4 St. XSPBA0108 2 St. XSPBAC0208	4 St. XSPBA0108 4 St. XSPBAC0208	4 St. XSPBA0108 6 St. XSPBAC0208
2/1	2 St. XSPBA0108 2 St. XSPBAC0208	2 St. XSPBA0108 1 St. XSPBAC0108 3 St. XSPBAC0208	2 St. XSPBA0108 1 St. XSPBAC0108 5 St. XSPBAC0208	2 St. XSPBA0108 7 St. XSPBAC0208
blind	3 St. XSPBAC0208	5 St. XSPBAC0208	7 St. XSPBAC0208	9 St. XSPBAC0208

XE_Boden_Einf_tiefe

Powering Business Worldwide

Main Busbar - Top

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XP Power Sections . . . . . Page xx
XP Power Sections Stacked ACB . . . . . Page xx
Outgoing Sections as Motor Control Centers in Withdrawable Technology . . . . . Page xx
XF Sections Outgoing Section in Form 2 . . . . . Page xx
XF Sections Outgoing Sections - Fixed Technology - Form 4 . . . . . Page xx
Box Solution Motor Control Center in Fixed Technology . . . . . Page xx

The ongoing development of xEnergy Main with “Main busbar - top-mounted“ provides many technical advantages (for more details please refer to the Technical Section) and has the pleasant effect that most individual components of the existing product range are compatible. All individual components that can be used for both systems (main busbar at the top/rear) are marked in colours. However, not all individual components that have been developed for „Main busbar top-mounted“ are necessarily compatible with “Main busbar rear-mounted“!

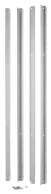
Configuration of the Frame

Individual parts of the frame / Empty section


VT11113


vt10813


VT11613


VT35013


VT07706


VT22213


wa_vt65613

Section width mm	Frame - upper part (designed for busbar connection) Open Frame incl. screws and blue design strip Article No. per pack/unit Pack = 1 pc.	Frame - upper part (designed for busbar connection) Open Frame incl. screws, blue design strip and blanking plug High-current solution to 6300A Article No. per pack/unit Pack = 1 pc.	Frame - bottom part (upper part) standard frame incl. screws Article No. per pack/unit Pack = 1 pc.	Vertical pfofiles 4 corner profiles incl. screws and sealing material, frame height = 2000 mm Article No. per pack/unit Pack = 1 pc.	Rear panel IP55 with poly-urethane 2com ponents foam sealing Article No. per pack/unit Pack = 1 pc.	Rear panel IP42 with poly-urethane 2-components foam sealing, fine-meshed grid on ex--changeable frame construction Article No. per pack/unit Pack = 1 pc.	Rear panel IP31 with poly-urethane 2-components foam sealing Article No. per pack/unit Pack = 1 pc.
300	**XTSGFBA-W300** 174040	**XTSZFBA-W300H200** 179378	**XTSGFBS-W300** 174077	**XTSGFH1-H2000** 174078	**XTSZRC-W300** 174079	**XTSZRV4-W300** 174083	**XSWV2003** 177084
425	**XTSZFBA-W425** 172510 186402*	**XTSZFBA-W425H200** 179379	**XTSZFBS-W425** 172517 186409*	**XTSPFH-H200** 173053 186352*	**XSWC2004** 284355 122346*	**XTSZRV4-W425** 172524 186416*	**XSWV2004** 284360 122351*
600	**XTSZFBA-W600** 172511 186403*	**XTSZFBA-W600H200** 179380	**XTSZFBS-W600** 172518 186410*	**XTSPFH-H200** 173053 186352*	**XSWC2006** 284356 122347*	**XTSZRV4-W600** 172525 186417*	**XSWV2006** 284361 122352*
800	**XTSZFBA-W800** 172512 186404*	**XTSZFBA-W800H200** 179381	**XTSZFBS-W800** 172519 186411*	**XTSPFH-H200** 173053 186352*	**XSWC2008** 284357 122353*	**XTSZRV4-W800** 172526 186418*	**XSWV2008** 284362 122353*
1000	**XTSZFBA-W1000** 172506 186398*	**XTSZFBA-W1000H200** 179382	**XTSZFBS-W1000** 172513 186405*	**XTSPFH-H200** 173053 186352*	**XSWC2010** 284358 122354*	**XTSZRV4-W1000** 172520 186412*	**XSWV2010** 284363 122354*
1100	**XTSZFBA-W1100** 172507 186399*	**XTSZFBA-W1100H200** 179383	**XTSZFBS-W1100** 172514 186406*	**XTSPFH-H200** 173053 186352*	**XSWC2011** 133000 133050*	**XTSZRV4-W1100** 172521 186413*	**XSWV2011** 133002 133050*
1200	**XTSZFBA-W1200** 172508 186400*	**XTSZFBA-W1200H200** 172508	**XTSZFBS-W1200** 172515 186407*	**XTSPFH-H200** 173053 186352*	**XSWC2012** 284359 122355*	**XTSZRV4-W1200** 172522 186414*	**XSWV2012** 284364 122355*
1350	**XTSZFBA-W1350** 172509 186401*	**XTSZFBA-W1350H200** 179384	**XTSZFBS-W1350** 172516 186408*	**XTSPFH-H200** 173053 186352*	**XSWC20135** 133001 133051*	**XTSZRV4-W1350** 172523 186415*	**XSWV201350** 133003 133051*

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Individual parts of the frame / Empty section



VT25113



wa_vt08713



VT25913

Section width mm	Top panel, closed for Open Frame version, IP55, no cut-outs, with foam sealing, incl. screws Article No. per pack/unit Pack = 1 pc.	Top panel, ventilated version for Open Frame, without fine-meshed grid: IP31, with additional grid element: IP42, with foam sealing, incl. screws Article No. per pack/unit Pack = 1 pc.	Grid element for ventilated top p., version for Open Frame, IP42 incl. screws Article No. per pack/unit Pack = 1 pc.	Passive arc protection acc. to IEC/TR61641 Top panel, version acc. to TR 61641 arc flash flap (pressure release flap), incl. in scope of delivery: Top panel with arc flap, screws, stacking frame (front and rear) connecting pieces for the stacking frame are in the scope of delivery of the side-by-side roof plates (needed with Open Frame) - XTSZPTA/185116 Article No. per pack/unit Pack = 1 pc.	Passive arc protection acc. to IEC/TR61641 Stacking frame end piece acc. to TR61641 is required 1x per cabinet row, it includes 4x corner pieces and 2x side pieces incl. screws Article No. per pack/unit Pack = 1 pc.
200[1]	-	-	-	**XTSZPTA** 185116 186647*	**XAPA0208** 185118 186648*
300[2]	**XSPTC0306** 177085	-	-	**XTSPTA0308T** 185107 186638*	-
425	**XTSZPTAC-W425** 172712 186301*	**XTSZPTAV-W425** 172718 186347*	**XTSZPTAPA-W425** 172725	**XTSPTA0408** 185108 186639*	-
600	**XTSZPTAC-W600** 172713 186302*	**XTSZPTAV-W600** 172719 186348*	**XTSZPTAPA-W600** 172726	**XTSPTA0608** 185109 186640*	-
800	**XTSZPTAC-W800** 173093 186332*	**XTSZPTAV-W800** 172720 186349*	**XTSZPTAPA-W800** 172727	**XTSPTA0808** 185110 186641*	-
850	-	-	-	**XTSPTA0858** 185111 186642*	-
1000	**XTSZPTAC-W1000** 173091 186330*	**XTSZPTAV-W1000** 172714 186303*	**XTSZPTAPA-W1000** 172721	**XTSPTA1008** 185112 186643*	-
1100	**XTSZPTAC-W1100** 172710 186299*	**XTSZPTAV-W1100** 172715 186304*	**XTSZPTAPA-W1100** 172722	**XTSPTA1108** 185113 186644*	-
1200	**XTSZPTAC-W1200** 173092 186331*	**XTSZPTAV-W1200** 172716 186345*	**XTSZPTAPA-W1200** 172723	**XTSPTA1208** 185114 186645*	-
1350	**XTSZPTAC-W1350** 172711 186300*	**XTSZPTAV-W1350** 172717 186346*	**XTSZPTAPA-W1350** 172724	**XTSPTA1358** 185115 186646*	-

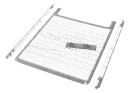
Note

[1] Arc flash flap for intermediate piece in case of Open Frame (width=200mm) must be used for every connection of two sections (with Open Frame).

[2] Arc flash flap - bar-connecting section (width=300mm)

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Individual parts of the frame / Empty section


VT34614


VT60614


VT38513


VT62414

Section width mm	Passive arc protection acc. to IEC/TR61641 Arc flash partition acc. to IEC61641 is required 1x per cabinet row - at the beginning and at the end of the main busbar Article No. per pack/unit Pack = 1 pc.	Partition busbar area / switchgear area in general sections, IP55 Article No. per pack/unit Pack = 1 pc.	Wiring and control module for installation of diff. electrical components, H = 250mm, incl. screws Article No. per pack/unit Pack = 1 pc.	Cable duct for control wiring, in connection with wiring/ control module/ XTPZBAVC-H250W... incl. screws and all fixing brackets Article No. per pack/unit Pack = 1 pc.	Partition instead of a control module XTPZBAVC-H250W... Article No. per pack/unit Pack = 1 pc.	
200[1]	**XTI-P** 185117	-	-	-	-	
300[2]	-	-	-	-	-	
425	-	**XTPZBMH1-W425** 173046	**XTPZBAVC-H250W425** 172680	**XTPZAEHD-W425** 173102 186663*	**XTPZBAVP-H250W425** 173110	
600	-	**XTPZBMH1-W600** 173047	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100 186661*	**XTPZBAVP-H250W600** 173111	
800	-	**XTPZBMH1-W800** 173048	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101 186662*	**XTPZBAVP-H250W800** 173041	
850	-	-	-	-	-	
1000	-	**XTPZBMH1-W1000** 173042	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096 186657*	**XTPZBAVP-H250W1000** 173106	
1100	-	**XTPZBMH1-W1100** 173043	**XTPZBAVC-H250W1100** 172684	**XTPZAEHD-W1100** 173097 186658*	**XTPZBAVP-H250W1100** 173107	
1200	-	**XTPZBMH1-W1200** 173044	**XTPZBAVC-H250W1200** 172685	**XTPZAEHD-W1200** 173098 186659*	**XTPZBAVP-H250W1200** 173108	
1350	-	**XTPZBMH1-W1350** 173045	**XTPZBAVC-H250W1350** 172686	**XTPZAEHD-W1350** 173099 186660*	**XTPZBAVP-H250W1350** 173109	

Note

[1] Arc flash flap for intermediate piece in case of Open Frame (width=200mm) must be used for every connection of two sections (with Open Frame).

[2] Arc flash flap - bar-connecting section (width=300mm)

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Individual parts of the frame / Empty section


VT22113


VT27713


VT25213


VT24813


VT26913

	Side panel IP55, with polyurethane 2-components foam sealing incl. screws	Side panel corner IP55, with polyurethane 2-components foam sealing incl. screws	Side panel corner for high-current solution, IP55, with polyurethane 2-components foam sealing incl. screws	Side panel corner for vertical rail transition section IP55, with polyurethane 2-components foam sealing incl. screws	Add-on top panel, closed, fills the gap between 2 sections IP 55, no cut-outs, foam sealing, incl. screws	Add-on top panel for Open Frame, fills the gap between 2 sections, without fine-meshed grid element: IP31, with additional grid element: IP42, foam sealing, incl. screws	Grid frame for add-on top (Open Frame), IP42, incl. screws
	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.	Article No. per pack/unit Pack = 1 pc.
	XTSZSA 172527 186419*	**XTSZSA2** 173094 186333*	**XTSZSA3** 179376	**XTSZSA4** 179377	**XTSZPTCC** 172728 186350*	**XTSZPTCV** 172729 186351*	**XTSZPTCPA** 172730

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Section width of doors to Switchgear Area (door heights 250-450mm)

For IP42 version with exchangeable grid frame; all doors with hinges, tail hooks and screws



VT56914



VT36413



VT55914



VT55714

Sect. width mm	Degree of protection	Door height 250mm Article No. per pack/unit	Door height 325mm Article No. per pack/unit	Door height 350mm left in version IP55 suitable for both sides Article No. per pack/unit	Door height 350mm right Article No. per pack/unit	Door height 450mm Article No. per pack/unit
425	IP31	-	-	**XTSZDSQV3-H350W425** 177158 186431*	-	-
	IP42	-	-	**XTSZDSQV4L-H350W425** 177163 186436*	**XTSZDSQV4R-H350W425** 177167 186440*	-
	IP55	**XTSZDSQC-H250W425** 173061 186353*	-	**XTSZDSQC-H350W425** 173064 186356*	-	**XTSZDSQC-H450W425** 173067 186306*
600	IP31	-	**XTSZDSQV3-H325W600** 172707 186297*	**XTSZDSQV3-H350W600** 177159 186432*	-	-
	IP42	-	-	**XTSZDSQV4L-H350W600** 177164 186437*	**XTSZDSQV4R-H350W600** 177168 186441*	-
	IP55	**XTSZDSQC-H250W600** 173062 186354*	**XTSZDSQC-H325W600** 172704 186294*	**XTSZDSQC-H350W600** 173065 186357*	-	**XTSZDSQC-H450W600** 173068 186307*
800	IP31	-	**XTSZDSQV3-H325W800** 172708 186298*	**XTSZDSQV3-H350W800** 177160 186433*	-	-
	IP42	-	-	**XTSZDSQV4L-H350W800** 177165 186438*	**XTSZDSQV4R-H350W800** 177169 186442*	-
	IP55	**XTSZDSQC-H250W800** 173063 186355*	**XTSZDSQC-H325W800** 172705 186295*	**XTSZDSQC-H350W800** 173066 186305*	-	**XTSZDSQC-H450W800** 173069 186308*
1000	IP31	-	**XTSZDSQV3-H325W1000** 172706 186296*	**XTSZDSQV3-H350W1000** 177161 186434*	-	-
	IP42	-	-	**XTSZDSQV4L-H350W1000** 177166 186439*	**XTSZDSQV4R-H350W1000** 177170 186443*	-
	IP55	-	**XTSZDSQC-H325W1000** 172703 186293*	**XTSZDSQC-H350W1000** 177162 186435*	-	-
1100	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-
1200	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-
1350	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-

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Section width of doors to Switchgear Area (door heights 550-1625mm)

For IP42 version with exchangeable grid frame; all doors with hinges, tail hooks and screws


VT57314


VT58614


VT58014


VT56414


VT66414

Sect. width mm	Degree of protection	Door height 550mm Article No. per pack/unit	Door height 700mm left-hinged in version IP55 suitable for both sides Article No. per pack/unit	Door height 700mm right-hinged Article No. per pack/unit	Door height 800mm Article No. per pack/unit	Door height 1625mm left-hinged in version IP55 suitable for both sides Article No. per pack/unit
425	IP31	-	**XTSZDSQV3L-H700W425** 173079 186318*	**XTSZDSQV3R-H700W425** 173082 186321*	-	-
	IP42	-	**XTSZDSQV4L-H700W425** 173085 186324*	**XTSZDSQV4R-H700W425** 173088 186327*	-	-
	IP55	**XTSZDSQC-H550W425** 173070 186309*	**XTSZDSQC-H700W425** 173073 186312*	-	**XTSZDSQC-H800W425** 173076 186315*	-
600	IP31	-	**XTSZDSQV3L-H700W600** 173080 186319*	**XTSZDSQV3R-H700W600** 173083 186322*	-	**XTSZDSKV3L-H1625W592** 174036 186596*
	IP42	-	**XTSZDSQV4L-H700W600** 173086 186325*	**XTSZDSQV4R-H700W600** 173089 186328*	-	**XTSZDSKV4L-H1625W592** 174038 186598*
	IP55	**XTSZDSQC-H550W600** 173071 186310*	**XTSZDSQC-H700W600** 173074 186313*	-	**XTSZDSQC-H800W600** 173077 186316*	**XTSZDSKC-H1625W592** 174035 186595*
800	IP31	-	**XTSZDSQV3L-H700W800** 173081 186320*	**XTSZDSQV3R-H700W800** 173084 186323*	-	-
	IP42	-	**XTSZDSQV4L-H700W800** 173087 186326*	**XTSZDSQV4R-H700W800** 173090 186329*	-	-
	IP55	**XTSZDSQC-H550W800** 173072 186311*	**XTSZDSQC-H700W800** 173075 186314*	-	**XTSZDSQC-H800W800** 173078 186317*	
1000	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-
1100	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-
1200	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-
1350	IP31	-	-	-	-	-
	IP42	-	-	-	-	-
	IP55	-	-	-	-	-

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Powering Business Worldwide

Section width of doors to Switchgear Area (door heights 1625-2000mm)

For IP42 version with exchangeable grid frame; all doors with hinges, tail hooks and screws



VT66514



VT22613



VT10513

Sect. width mm	Degree of protection	Door height 1625mm right-hinged Article No. per pack/unit	Door height 2000mm left-hinged Article No. per pack/unit	Door height 2000mm right-hinged Article No. per pack/unit	
425	IP31	-	-	-	
	IP42	-	**XTSZDSKV4L-H2000W425** 172497 186389*	**XTSZDSKV4R-H2000W425** 172500 186392*	
	IP55	-	-	-	
600	IP31	**XTSZDSKV3R-H1625W592** 174037 186597*	-	-	
	IP42	**XTSZDSKV4R-H1625W592** 174039 186599*	**XTSZDSKV4L-H2000W600** 172498 186390*	**XTSZDSKV4R-H2000W600** 172501 186393*	
	IP55	-	-	-	
800	IP31	-	-	-	
	IP42	-	**XTSZDSKV4L-H2000W800** 172499 186391*	**XTSZDSKV4R-H2000W800** 172502 186394*	
	IP55	-	-	-	
1000	IP31	-	-	-	
	IP42	-	**XTSZDSKV4L-H2000W1000** 172701 186428*	**XTSZDSKV4R-H2000W1000** 172702 186292*	
	IP55	-	-	-	
1100	IP31	-	-	-	
	IP42	-	-	**XTSZDSKV4S-H2000W1100** 172503 186395*	
	IP55	-	-	-	
1200	IP31	-	-	-	
	IP42	-	-	**XTSZDSKV4S-H2000W1200** 172504 186396*	
	IP55	-	-	-	
1350	IP31	-	-	-	
	IP42	-	-	**XTSZDSKV4S-H2000W1350** 172505 186397*	
	IP55	-	-	-	

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Section width of covers

with bayonet lock and screws



vt122314



vt122114

Sect. width mm	Degree of protection	Module height 250mm Article No. per pack/unit	Module height 350mm Article No. per pack/unit	Module height 550mm Article No. per pack/unit	
425	IP31	**XTSZCSV3-H250W425** 177142 186623*	**XTSZCSV3-H350W425** 177150 186631*	-	
	IP42	**XTSZCSV4-H250W425** 177146 186627*	**XTSZCSV4-H350W425** 177154 186635*	-	
	IP55	**XTSZCSC-H250W425** 173058	-	**XTSZCSC-H550W425** 173055	
600	IP31	**XTSZCSV3-H250W600** 177143 186624*	**XTSZCSV3-H350W600** 177151 186632*	-	
	IP42	**XTSZCSV4-H250W600** 177147 186628*	**XTSZCSV4-H350W600** 177155 186636*	-	
	IP55	**XTSZCSC-H250W600** 173059	-	**XTSZCSC-H550W600** 173056	
800	IP31	**XTSZCSV3-H250W800** 177144 186625*	**XTSZCSV3-H350W800** 177152 186633*	-	
	IP42	**XTSZCSV4-H250W800** 177148 186629*	**XTSZCSV4-H350W800** 177156 186429*	-	
	IP55	**XTSZCSC-H250W800** 173060	-	**XTSZCSC-H550W800** 173057	
1000	IP31	**XTSZCSV3-H250W1000** 177145 186626*	**XTSZCSV3-H350W1000** 177153 186634*	-	
	IP42	**XTSZCSV4-H250W1000** 177149 186630*	**XTSZCSV4-H350W1000** 177157 186430*	-	
	IP55	**XTSZCSC-H250W1000** 177141 186622*	-	**XTSZCSC-H550W1000** 174060 186588*	

Note * Finish in special RAL colour

EATON
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IP42 Spare / Exchange grids for doors



VT26713

2 Grid rows

Article No.
per pack/unit

XTSZDPA2
172690

186420*



VT26813

3 Grid rows

Article No.
per pack/unit

XTSZDPA3
172691

186421*



VT26613

4 Grid rows

Article No.
per pack/unit

XTSZDPA4
172692

186422*



VT26513

5 Grid rows

Article No.
per pack/unit

XTSZDPA5
172693

186423*

425mm section width = 2 grid rows
600mm section width = 3 grid rows
800mm section width = 5 grid rows
1000mm section width = 2x3 grid rows
1100mm section width = 1x3 grid rows + 1x4 grid rows
1200mm section width = 1x3 grid rows + 1x4 grid rows
1350mm section width = 1x4 grid rows + 1x5 grid rows

IP42 Spare grids for rear panels



VT26113

2 Grid rows
for 425mm
section width

Article No.
per pack/unit

XTSZRPA2
172694

186424*



VT26413

3 Grid rows
2x3 rows= 1000mm
3x3 rows = 1350mm
section width

Article No.
per pack/unit

XTSZRPA3
172695

186425*



VT26313

4 Grid rows
for 600mm
section width
2x4 rows = 1100mm
and 1200mm section width

Article No.
per pack/unit

XTSZRPA4
172696

186426*



VT26213

5 Grid rows
for 800mm
section width

Article No.
per pack/unit

XTSZRPA5
172697

186427*

Note * Finish in special RAL colour

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Main Bus Bar Supports

Main busbar supports, completely mounted on a 2 mm support sheet. Can be used for 3 or 4 poles. Screws included.
Cu 30/10 can be used. Left, center and right-side support available.



VT12813

Copper rows per phase	Main busbar support 3/4 pole universal support Article No. per pack/unit Pack = 1 pc.	
1	**XTBZBM4X30X10/4** 172488	
2	**XTBZBM8X30X10/4** 172494	
3	**XTBZBM12X30X10/4** 172482	

Protective Bar

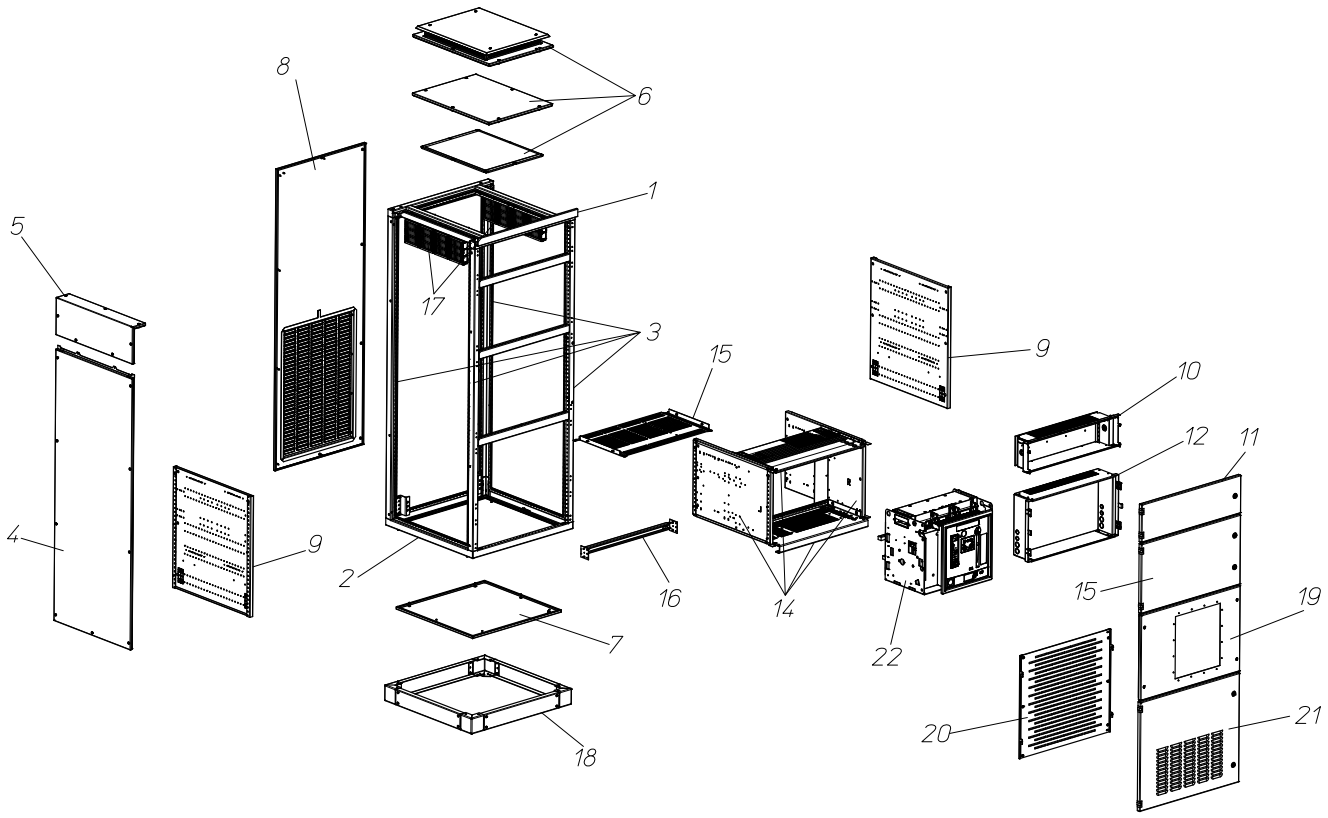
With „Main busbar supports below“ the frame will be covered with an additional angle.

	Protective bar Article No. per pack/unit Pack = 1 pc.	
	XTPZBEH1 174087	

Powering Business Worldwide

XP Power Sections up to 6300A
Suitable Power Switch: IZMX16, IZMX40

XP_Explosion_single



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Wiring/control module
11 Door to control module
12 Measuring module
13 Door to measuring module
14 Fitting kit
15 Partition horizontal
16 Cable strain relief rail
17 Main busbar support
18 Plinth
19 Front cover
20 Cover of connection area
21 Door to connection area
22 Circuit breaker

Features
- Widths: 600, 800, 1000mm
- Fixed or withdrawable
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31,IP42,IP55
- Can be used as incoming, outgoing or coupler switch
- Switchgear can be realised with remote drive
- With snap-on cover or module door
- Widths of 800 and 1000mm come with a door to the cable connection area

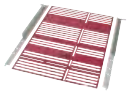
Notes
- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

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XP Sections



VT60214



VT61114



VT60014

	I_{cc} up to (400 V AC) kA	Section width mm	Poles	Installation type	Mechanical lock	Fitting kit for IZMX16 and IZMX40, fixed and withdr., incl. mounting plates and screws Article No. per pack/unit	Partition horizontal between incoming/outgoing contacts of the circuit breaker Article No. per pack/unit	Wiring and control module for XP sections for use in combination with XTPPSSZ-H700 (side separation panel) Article No. per pack/unit
Circuit breakers								
IZMX16	65	425	3	fixed	yes	**XTMPIX16FM-H550W425** 173340	**XTPPIX16BH** 173510	**XTPPCAVC-H700W425** 173049
		600	3+4+TP/N	fixed	yes	**XTMPIX16FM-H550W600** 173341	**XTPPIX16BH** 173510	**XTPPCAVC-H700W600** 173050
		425	3	drawer u.	yes	**XTMPIX16WM-H550W425** 173346	**XTPPIX16BH** 173510	**XTPPCAVC-H700W425** 173049
		600	3+4+TP/N	drawer u.	yes	**XTMPIX16WM-H550W600** 173347	**XTPPIX16BH** 173510	**XTPPCAVC-H700W600** 173050
IZMX40	80	600	3	fixed	yes	**XTMPIX40FM-H550W600** 173352	**XTPPIX40BH** 173511	**XTPPCAVC-H700W600** 173050
		800	3+4+TP/N	fixed	yes	**XTMPIX40FM-H550W800** 173353	**XTPPIX40BH** 173511	**XTPPCAVC-H700W800** 173051
		600	3	drawer u.	yes	**XTMPIX40WM-H550W600** 173358	**XTPPIX40BH** 173511	**XTPPCAVC-H700W600** 173050
		800	3+4+TP/N	drawer u.	yes	**XTMPIX40WM-H550W800** 173359	**XTPPIX40BH** 173511	**XTPPCAVC-H700W800** 173051

Note * Finish in special RAL colour



VT59814



wa_vt70513



VT60714



VT27613



VT38513

Separation p. consisting of 2 partition panels H=700mm Article No. per pack/unit	Additional electric shock protection at the rear (PVC) 3 pcs. for entire field height Article No. per pack/unit	Transparent cover of the cable connect. area H=700mm Article No. per pack/unit	Control module for XP sections H=450mm Article No. per pack/unit	Wiring and control module H=250mm Article No. per pack/unit	Control and wiring duct in combi-nation with control module (XTPZBAVC-H250W…) Article No. per pack/unit
XTPPSSZ-H700 173052 186584*	**XTPPC-H700W425** 174013	**XTPPVPC-W425** 173360	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-H250W425** 172680	**XTPZAEHD-W425** 173102 186663*
XTPPSSZ-H700 173052 186585*	**XTPPC-H700W600** 174014	**XTPPVPC-W600** 173361	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100 186661*
XTPPSSZ-H700 173052 186584*	**XTPPC-H700W425** 174013	**XTPPVPC-W425** 173360	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-H250W425** 172680	**XTPZAEHD-W425** 173102 186663*
XTPPSSZ-H700 173052 186585*	**XTPPC-H700W600** 174014	**XTPPVPC-W600** 173361	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100
XTPPSSZ-H700 173052 186585*	**XTPPC-H700W600** 174014	**XTPPVPC-W600** 173361	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100 186661*
XTPPSSZ-H700 173052 186586*	**XTPPC-H700W800** 174015	**XTPPVPC-W800** 173362	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101 186662*
XTPPSSZ-H700 173052 186585*	**XTPPC-H700W600** 174014	**XTPPVPC-W600** 173361	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100 186661*
XTPPSSZ-H700 173052 186586*	**XTPPC-H700W800** 174015	**XTPPVPC-W800** 173362	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101 186662*

Fitting kit * Finish in special RAL colour



VT62414



wa_vt15013



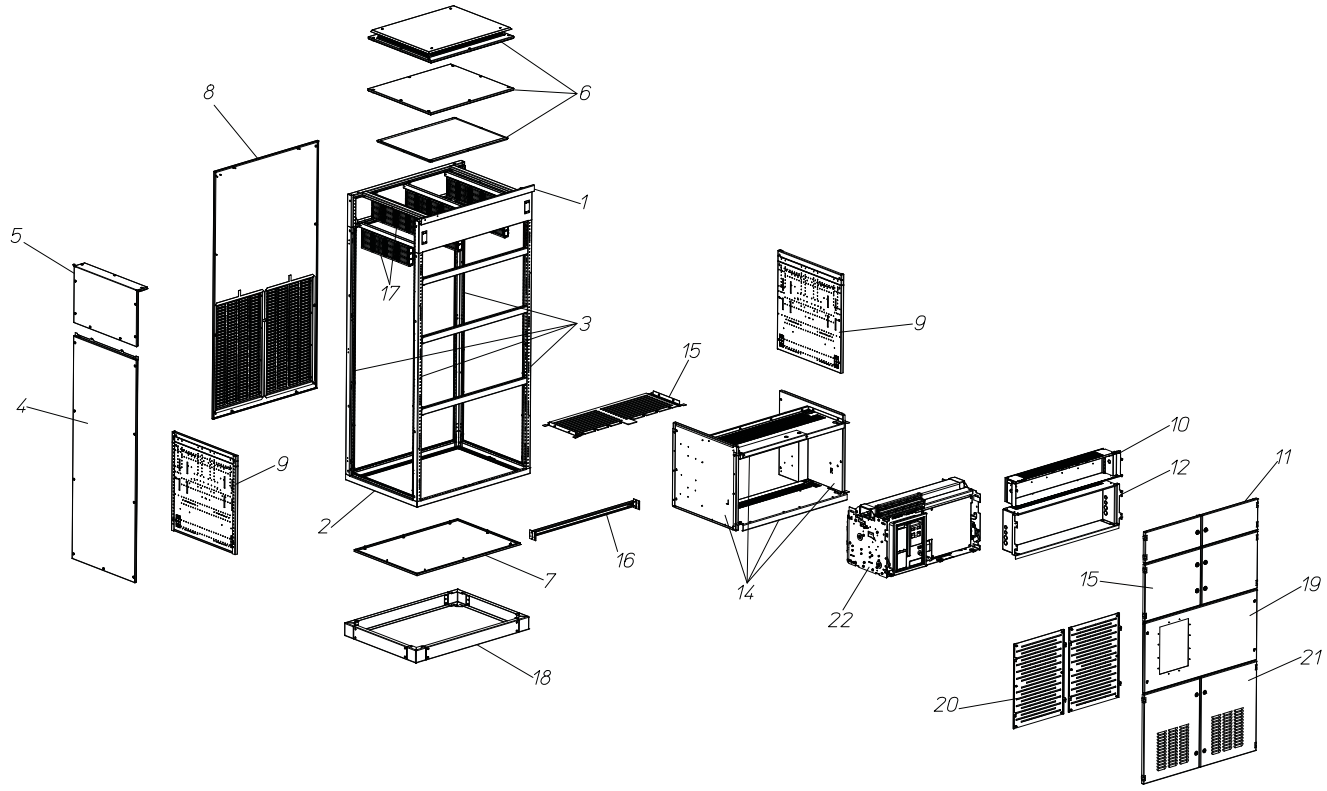
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Partition instead of a control module (XTPZBAVC-H250W…) Article No. per pack/unit	Cable strain relief rail Article No. per pack/unit	Fixing bracket for cable strain relief rail Kabelfang-schiene Article No. per pack/unit	
XTPZBAVP-H250W425 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZBAVP-H250W600 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZBAVP-H250W425 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZBAVP-H250W600 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZBAVP-H250W600 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZBAVP-H250W800 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZBAVP-H250W600 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZBAVP-H250W800 173041	**XAR08** 283852	**XNBW-R2** 106740	

Fitting kit * Finish in special RAL colour

High-current XP Power Field (suitable circuit breaker IZM63)

CAT0000033



1 Frame - top (High-current Version)
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel (High-current Version)
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Wiring/control module
11 Doors to control module
12 Measuring module
13 Door to measuring module
14 Fitting kit
15 Partition horizontal
16 Cable strain relief rail
17 Main busbar support
18 Plinth
19 Front cover
20 Cover of connection area
21 Doors to connection area
22 Circuit breaker

Features

- Widths: 1100, 1350mm
- Withdrawable
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31,IP42,IP55
- Can be used as incoming, outgoing or coupler switch
- Switchgear can be realised with remote drive
- With snap-on cover or module door
- Double doors

Notes

- High-current frame (dual rail guidance)
- Doors include a locking system for a 3mm two-way key-bit
- Mirrored configuration possible
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

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XP Sections


VT31514

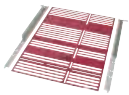

VT31014


VT59214

	I_{cc} up to (400 V AC) kA	Section width mm	Poles	Installation type	Mecha-nical lock	Fitting kit for IZM63, withdrawable, incl. side mounting plates and screws Article No. per pack/unit	Front plate ACB incl. frontplate, fixing brackets, screws and bayonet locks Article No. per pack/unit	Module door ACB incl. hinges, locking system and screws Article No. per pack/unit
Circuit breakers								
IZM63	100kA/440V 85kA/690V	1100	3	withdrawable	yes	**XTMPI63WM-H550W1100** 179348	**XTMPI63WC3-H550W1100** 179345	**XTMPI63WD3-H550W1100** 184911
		1350	4	withdrawable	yes	**XTMPI63WM-H550W1350** 179349	**XTMPI63WC4-H550W1350** 179347	**XTMPI63WD4-H550W1350** 184913
		1350	3	withdrawable	yes	**XTMPI63WM-H550W1350** 179349	**XTMPI63WC3-H550W1350** 179346	**XTMPI63WD3-H550W1350** 184912

Note * Finish in special RAL colour

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VT61114



wa_vt70513



VT60014



VT27313



VT35414

Horizontal partition Ple between incoming contacts of the circuit breaker	iglass incl. fixing brackets and screws	Wiring and control module for XP sections, to be used in combination with XTPPSSZ-H700 (side panel)	Wiring and control duct in combination with control module (XTPZBAVC-H250W…)	Cable duct for control wiring in combination with wiring module XTPZBAVC-H250W… incl. all fixing brackets and screws
Article No. per pack/unit	Article No. per pack/unit	Article No. per pack/unit	Article No. per pack/unit	Article No. per pack/unit
XTPPI63BH-W1100 179353	**XTPZBMH1-W1100** 173043	**XTPZBAVC-H250W1100** 172684	**XTPZBAVP-H250W1100** 173107	**XTPZAEHD-W1100** 173097
XTPPI63BH-W1350 179354	**XTPZBMH1-W1350** 173045	**XTPZBAVC-H250W1350** 172686	**XTPZBAVP-H250W1350** 173109	**XTPZAEHD-W1350** 173099
XTPPI63BH-W1350 179354	**XTPZBMH1-W1350** 173045	**XTPZBAVC-H250W1350** 172686	**XTPZBAVP-H250W1350** 173109	**XTPZAEHD-W1350** 173099

Note * Finish in special RAL colour

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VT62114



VT60714



VT59814



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wa_vt15013



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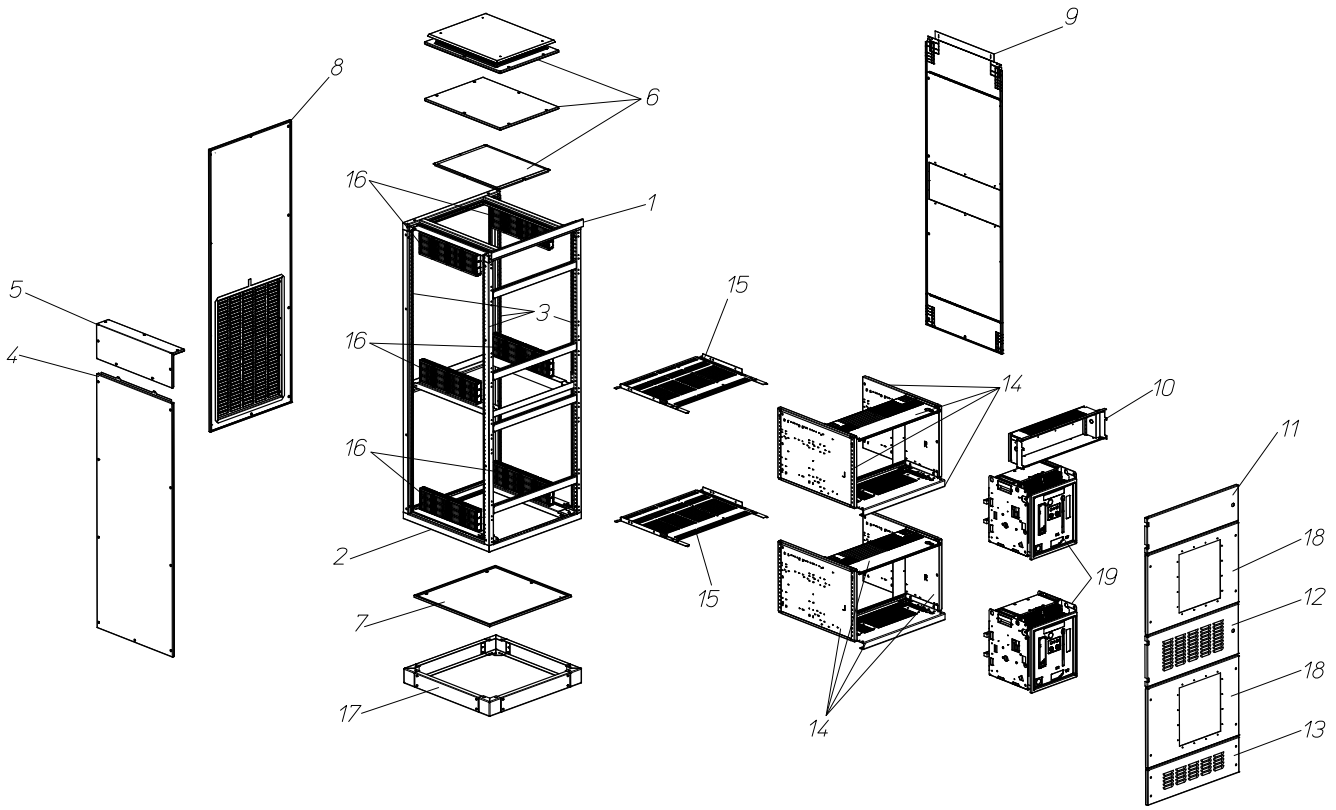
Partition instead of a control module (XTPZBAVC-H250W…) Article No. per pack/unit	Measuring module (control module) for XP sections H = 450 mm Article No. per pack/unit	Separation panel consisting of 2 pcs. of partition panels H = 700 mm Article No. per pack/unit	Shutter (PVC) for additional protection at the rear (where required), as high as the section Article No. per pack/unit	Cable strain relief rail Article No. per pack/unit	Fixing brackets for cable strain relief rail Article No. per pack/unit
XTPZBAVP-H250W1100 173107	**XTPZBAVC-H450W1100** 184909	**XTPPSSZ-H700** 173052	**-**	**XAR11** 133076	**XNBW-R2** 106740
XTPZBAVP-H250W1350 173109	**XTPZBAVC-H450W1350** 184910	**XTPPSSZ-H700** 173052	**-**	**XAR135** 133077	**XNBW-R2** 106740
XTPZBAVP-H250W1350 173109	**XTPZBAVC-H450W1350** 184910	**XTPPSSZ-H700** 173052	**-**	**XAR135** 133077	**XNBW-R2** 106740

Note * Finish in special RAL colour

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XP Power Sections
Stacked ACB

XP_stacked_Explosion



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Wiring/control module
11 Door to control module
12 Door to central main busbar
13 Cover of bottom main busbar
14 Fitting kit
15 Horizontal partitions
16 Supports for main busbars
17 Plinth
18 Front cover for ACB
19 Circuit breakers

Features
- Widths: 600, 800, 1000mm
- Fixed or withdrawable
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31, IP42, IP55
- Can be used as incoming, outgoing or coupler switch
- Switchgear can be realised with remote drive
- With snap-on cover or module door
- Widths of 800 and 1000mm come with a door to the cable connection area
- Cable connection area at the rear

Notes
- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. installation height available in the control module is 250mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

XP Sections



VT45613



VT31514



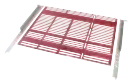
VT31014

VT59214

	I_{cc} up to (400 V AC) kA	Section width mm	Poles	Installation type	Mechanical locking	Fitting kit for IZMX16 and IZMX40, fixed and withdrawable, incl. mounting plate, side mounting plates and screws Article No. per pack/unit	Front cover incl. bayonet locks and screws Article No. per pack/unit	Module door left side incl. hinges, tail hook and screws, 3mm two-way key-bit lock Article No. per pack/unit
Circuit breaker								
IZMX40	80	800	3	fixed	yes	**XTMPIX40FM-H550W800** 173353	**XTMPIX40FC-H550W800** 173349	**XTMPIX40FD-H550W800** 173351
		1000	3+4	fixed	yes	**XTMPIX40FM-H550W1000** 173993	**XTMPIX40FC-H550W1000** 173991	**XTMPIX40FD-H550W1000** 173993
		800	3	drawer u.	yes	**XTMPIX40WM-H550W800** 173359	**XTMPIX40WC-H550W800** 173355	**XTMPIX40FD-H550W800** 173351
		1000	3+4	drawer u.	yes	**XTMPIX40WM-H550W1000** 173996	**XTMPIX40WC-H550W1000** 173994	**XTMPIX40FD-H550W1000** 173993

Note * Finish in special RAL colour

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VT61014



VT27313



VT35614



VT62414



vt02015



VT62414



VT56514

Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per pack/unit	Wiring and control module H=250mm Article No. per pack/unit	Control and wiring duct in combination with control module XTPZBAVC-H250W.. Article No. per pack/unit	Partition instead of control module XTPZBAVC-H250W.. Article No. per pack/unit	Mounting rail for center main busbar support Article No. per pack/unit	Partition in front of main busbar at the center Article No. per pack/unit	Door to switchgear area, closed for use on both sides H=350mm IP55 Article No. per pack/unit
XTPPIX40BH 173511	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XTSZDSQC-H350W800** 173066 186305*
XTPPIX40BH 173511	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XTSZDSQC-H350W1000** 177162 186435*
XTPPIX40BH 173511	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XTSZDSQC-H350W800** 173066 186305*
XTPPIX40BH 173511	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XTSZDSQC-H350W1000** 177162 186435*

Note * Finish in special RAL colour

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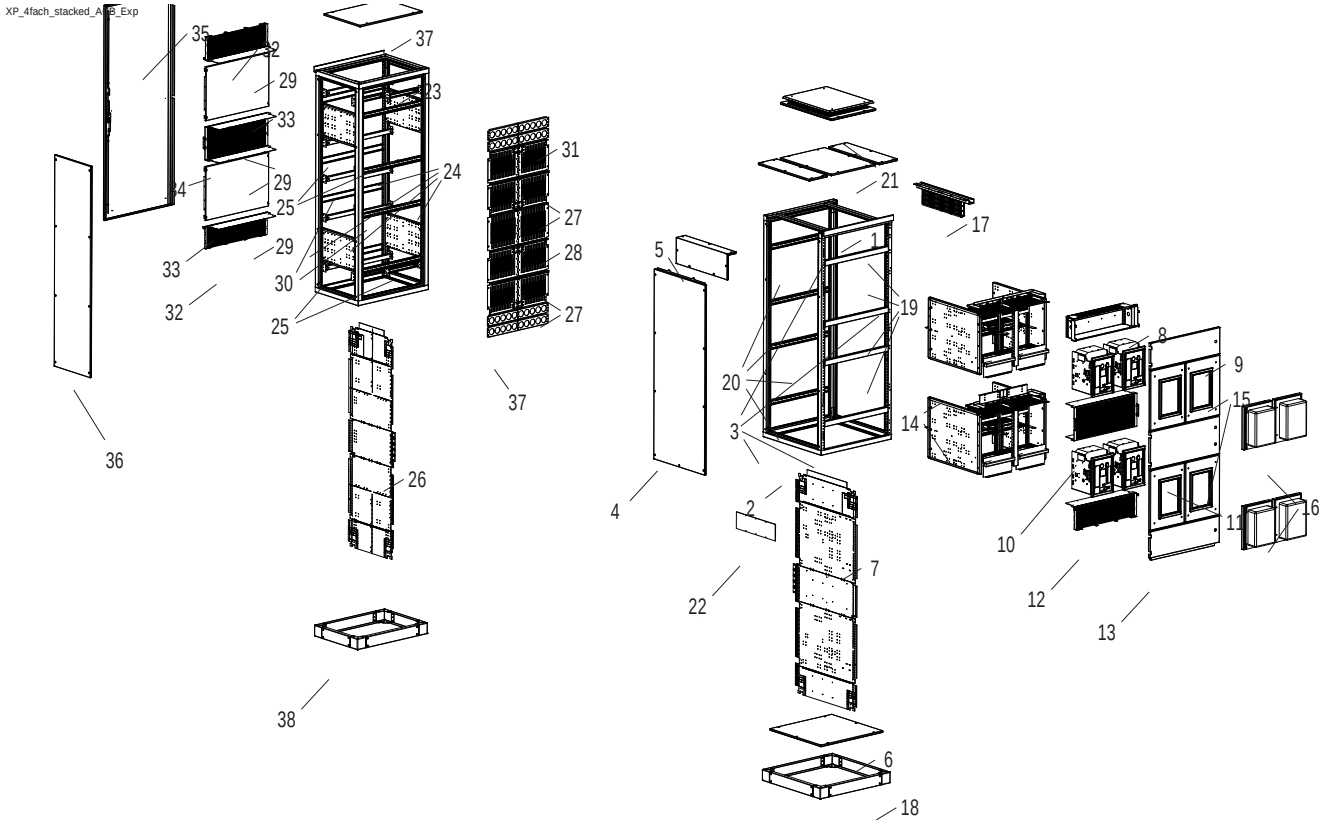
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Cable strain relief rail Article No. per pack/unit	Fixing bracket for cable strain relief rail Article No. per pack/unit	
XAR08 283852	**XNBW-R2** 106740	
XAR10 283853	**XNBW-R2** 106740	
XAR08 283852	**XNBW-R2** 106740	
XAR10 283853	**XNBW-R2** 106740	

Note * Finish in special RAL colour

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XP- Power Section
4-fold Stacked ACB



Switchgear Section

1 Base frame - top
2 Base frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element - side panel
6 Bottom panel
7 Centre separation panel - switchgear area
8 Wiring / control module
9 Door to control module (250mm)
10 Centre partition
11 Door centre main busbar (350mm)
12 Partition - bottom
13 Door bottom main busbaur
14 Fitting kits
15 Front covers
16 IP55 ACB cover
17 Main busbar carrier
18 Plinth
19 Cross profile - front

Side / Cable Section

23 Base frame
24 Vertical profiles
25 Side mounting plates
26 Centre separation panel
27 Partition behind the ACB
28 Centre partition
29 Horizontal partition – cable connection area
30 Cross bars
31 Cable insertions
32 Partition main busbar
33 Partition (ACB height)
34 Centre partition
35 Door cable connection area
36 Side panel
37 Top panel
38 Plinth

Features

- Widths: 800, 1000mm
- Fixed or withdrawable
- Form 4 to Type 7
- 3, 4, 3P+N
- IP31, IP42, IP55
- Can be used as feeder, outgoing or coupling switch
- Devices are available with remote drive
- With plug-type cover
- Setup only in combination with a cable connection section

Notes

- Frame (top) comes with a blue design strip
- Doors include locking system for 3mm two-way key-bit
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

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XP Section Feeder/Outgoing/Coupler with 4xIZMX16 (Switchgear Section)



wa_vt05014



wa_vt62913



VT111014

Position numbers in the exploded drawing									7
	I_{cc} to (400 V AC) kA	I_e to A	Section depth mm	Section width mm	Poles	Installation type	Mecha-nical locking	Cross bars mounting jaws and screws Article No. per unit	Centre separation panel in 3 parts incl. screws Article No. per unit
Circuit breaker									
IZMX16	42	1600	800	800	3	fixed	no	**XSFD0608** 113993	**XTPPCCZ1-D800** 178066
				1000	3, 4, 3P+N	fixed	yes	**XSFD0610** 113994	**XTPPCCZ1-D800** 178066
				800	3	drawer u.	no	**XSFD0608** 113993	**XTPPCCZ1-D800** 178066
				1000	3, 4, 3P+N	drawer u.	yes	**XSFD0610** 113994	**XTPPCCZ1-D800** 178066

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wa_vt68713



VT110814



VT110514



VT31014



vt02015



VT62414

	22	14	15		10
Cross carrier Article No. per unit	Main busbar end plate when main busbar is divided in the middle Article No. per unit	Fitting kit for IZMX16, fixed and withdrawable, incl. side mounting pl., carrier plates, partiton and anti-blow-out panels, partitions, horiz. Durostone partition at the centre, screws Article No. per unit	Front cover left and right, incl. bayonet nut connectors, screws at the centre Article No. per unit	Fixing brackets/ bar supports for bar mounting for IP31 and IP42 Article No. per unit	Partition in front of main busbars at the centre, to be used Article No. per unit
XBBB08 283861	**XTPZBEZ** 178590	**XTMP2IX16FM-H550W800** 178378	**XTMP2IX16FC-H550W800** 178380	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136
XBBB10 283862	**XTPZBEZ** 178590	**XTMP2IX16FM-H550W1000** 178379	**XTMP2IX16FC-H550W1000** 178381	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137
XBBB08 283861	**XTPZBEZ** 178590	**XTMP2IX16WM-H550W800** 178062	**XTMP2IX16WC-H550W800** 178064	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136
XBBB10 283862	**XTPZBEZ** 178590	**XTMP2IX16WM-H550W1000** 178063	**XTMP2IX16WC-H550W1000** 178065	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137



VT10914



VT27313



VT35814



VT62414



VT56514

10	8			9, 11, 13
Partition in front of main busbars mounted at the centre, MUST be used for IP55 Article No. per unit	Wiring and control module H = 250 mm Article No. per unit	Control and wiring duct in combination with control module XTPZBAVC-H250…. Article No. per unit	Partition instead of a control module XTPZBAVC.H250…. Article No. per unit	Doors to switchgear area H= 250 mm See chapter “Doors to switchgear area“ Article No. per unit
XTPZBAVP2-H350W800 178382	**XTPZBAVC-H250W800** 172682	**XTPZDSQC-H250W800** 173101	**XTPZBAVP-H250W800** 173041	Chapter “Doors to switchgear area“
XTPZBAVP2-H350W1000 178383	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096	**XTPZBAVP-H250W1000** 173106	Chapter “Doors to switchgear area“
XTPZBAVP2-H350W800 178382	**XTPZBAVC-H250W800** 172682	**XTPZDSQC-H250W800 X**	**PZBAVP-H250W800** 173041	Chapter “Doors to switchgear area“
XTPZBAVP2-H350W1000 178383	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096	**XTPZBAVP-H250W1000** 173106	Chapter “Doors to switchgear area“

Notes

Side Section for XP Section Feeder/Outgoing/Coupler with 4xIZMX16



VT110114



VT109814



VT109614

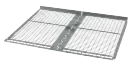


VT109914



VT110914

Position numbers in the exploded drawing			31	28	27	25	26
	Section depth mm	Section width mm	Cable insertions 2-part design, can be divided in the middle, H = 250 mm incl. 20 pcs. KT42, screws Article No. per unit	Partition (centre) can be divided in the middle H=350 mm di incl. screws Article No. per unit	Partition behind ACB EBS, can be ded in the middle, H=275mm incl. screws Article No. per unit	Side mounting plates, in 2 parts incl. screws Article No. per unit	Centre separation panel, in 3 parts incl. screws Article No. per unit
	600	800	**XTPPCUV1-H250W800** 178393	**XTPPCBV3-H350W800** 178392	**XTPPCUV3-H275W800** 178391	**XTPPSSZ-H300** 178384	**XTPPCCZ1-D600** 178067
		1000	**XTPPCUV1-H250W1000** 178593	**XTPPCBV3-H350W1000** 178592	**XTPPCUV3-H275W1000** 178591	**XTPPSSZ-H300** 178384	**XTPPCCZ1-D600** 178067



VT108814



wa_vt56213



VT62414



VT109314



vt00515



vt109014

29	30	32	33	34	34
Partition, horizontal, can be divided in the middle, incl. screws	Cross bars mounting jaws and screws	Partition in front of main busbars top and bottom, punched, H = 250 mm incl. screws	Partition in front of ACBs, H = 550 mm incl. screws	Partition in front of main busbars in the middle, punched, H = 350 mm incl. screws	Partition in front of main busbars in the middle, non-punched, H = 350 mm incl. screws
Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	Article No. per unit	
XTPPCCH2-W800D600 178395	**XSFD0608** 113993	**XTPZBAVP-H250W800** 173041	**XTPZBAVP2-H550W800** 178389	**XTPZBAVP-H350W800** 177136	**XTPZBAVP2-H350W800** 178382
XTPPCCH2-W1000D600 178595	**XSFD0610** 113994	**XTPZBAVP-H250W1000** 173106	**XTPZBAVP2-H550W1000** 178390	**XTPZBAVP-H350W1000** 177137	**XTPZBAVP2-H350W1000** 178383

Notes

Components IZMX..



IZM... Fitting kits

Consisting of 2 module side panels (left/right side, 1x support plate, partition behind the circuit breaker (switchgear area/main busbar area/cable connection area), partition above the circuit breaker (switchgear area/switchgear area), incl. all screws



VT60314



VT60414



VT60514



VT60214



VT68714



VT68814



VT68614



VT65714

Section width mm	Fitting kit for IZMX16 3-pole fixed Article No. per pack/unit	Fitting kit for IZMX16 3-pole withdrawable Article No. per pack/unit	Fitting kit for IZMX16 3+4+TP/N fixed Article No. per pack/unit	Fitting kit for IZMX16 3+4+TP/N withdrawable Article No. per pack/unit	Fitting kit for IZMX40 3-pole fixed Article No. per pack/unit	Fitting kit for IZMX40 3-pole withdrawable Article No. per pack/unit	Fitting kit for IZMX40 3+4+TP/N fixed Article No. per pack/unit	Fitting kit for IZMX40 3+4+TP/N withdrawable Article No. per pack/unit
425	**XTMPIX16FM-H550W425** 173340	**XTMPIX16WM-H550W425** 173346	-	-	-	-	-	-
600	-	-	**XTMPIX16FM-H550W600** 173341	**XTMPIX16WM-H550W600** 173347	**XTMPIX40FM-H550W600** 173352	**XTMPIX40WM-H550W600** 173358	-	-
800	-	-	-	-	-	-	**XTMPIX40FM-H550W800** 173353	**XTMPIX40WM-H550W800** 173359



vt51116



vt51016

Section width mm	Fitting kit for IZM63 3-pole withdrawable incl. side mounting plates, and screws Article No. per pack/unit	Fitting kit for IZM63 4-pole + 3P+N withdrawable incl. side mounting plates, and screws Article No. per pack/unit
1100	**XTMPI63WM-H550W1100** 179348	-
1350	-	**XTMPI63WM-H550W1350** 179349

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2xIZMX16 Side/Side Fitting kits

Consisting of 2 module side panels (left/right side, 1x support plate, partition behind the circuit breaker (switchgear area/main busbar area/cable connection area), partition above the circuit breaker (switchgear area/switchgear area), horizontal partition (between incoming and outgoing terminals of the switches), incl. all screws


VT110514


vt110714


vt110414

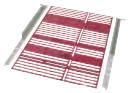

vt110614

Section width mm	Fitting kit for 2xIZMX16 3-pole fixed Article No. per pack/unit	Fitting kit for 2xIZMX16 3, 4, 3P+N fixed Article No. per pack/unit	Fitting kit for 2xIZMX16 3-pole withdrawable Article No. per pack/unit	Fitting kit for 2xIZMX16 3, 4, 3P+N withdrawable Article No. per pack/unit	
800	**XTMP2IX16FM-H550W800** 178378	-	**XTMP2IX16WM-H550W800** 178062	-	
1000	-	**XTMP2IX16FM-H550W1000** 178379	-	**XTMP2IX16WM-H550W1000** 178063	

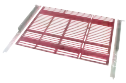
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Horizontal Partitions

Between incoming and outgoing contacts of the circuit breaker



VT61114



VT61014

Section width mm	IZMX16 Article No. per pack/unit	IZMX40 Article No. per pack/unit	IZM63 Article No. per pack/unit
425	**XTPPIX16BH** 173510	**-**	
600	**XTPPIX16BH** 173510	**XTPPIX40BH** 173511	
800	**XTPPIX16BH** 173510	**XTPPIX40BH** 173511	
1100	**-**	**-**	**XTPPI63BH-W1100** 179355
1350	**-**	**-**	**XTPPI63BH-W1350** 179356

Terminal Connection Set



sg01715

Selection of the Connection Sets according to the specifications of the operating instructions	Terminal-Connection Set 3-pole Article No. per unit	Terminal-Connection Set 4-pole Article No. per unit	
	IZMX-TSET1 177176	**IZMX-TSET3** 177178	
	IZMX-TSET2 177177	**IZMX-TSET4** 177179	
	IZMX-TSET5 177180	**IZMX-TSET8** 177183	
	IZMX-TSET6 177181	**IZMX-TSET9** 177184	
	IZMX-TSET7 177182		
	IZMX-TSET10 177185		

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Front Covers

Incl. fixing brackets, with bayonet locks and screws


VT59414


VT56214


VT56314


VT59614

VT56014


VT56114


VT59714


VT59514

Section width mm	Front cover for IZMX16 3-pole fixed Article No. per pack/unit	Front cover for IZMX16 3-pole withdrawable Article No. per pack/unit	Front cover for IZMX16 3+4+TP/N fixed Article No. per pack/unit	Front cover for IZMX16 3+4+TP/N withdrawable Article No. per pack/unit	Front cover for IZMX40 3-pole fixed Article No. per pack/unit	Front cover for IZMX40 3-pole withdrawable Article No. per pack/unit	Front cover for IZMX40 3+4+TP/N fixed Article No. per pack/unit	Front cover for IZMX40 3+4+TP/N withdrawable Article No. per pack/unit
425	**XTMPIX16FC-H550W425** 173336 186334*	**XTMPIX16WC-H550W425** 173342 186338*	-	-	-	-	-	-
600	-	-	**XTMPIX16FC-H550W600** 173337 186335*	**XTMPIX16WC-H550W600** 173343 186339*	**XTMPIX40FC-H550W600** 173348 186342*	**XTMPIX40WC-H550W600** 173354 186560*	-	-
800	-	-	-	-	-	-	**XTMPIX40FC-H550W800** 173349 186343*	**XTMPIX40WC-H550W800** 173355 186561*

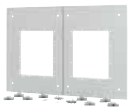
Section width mm	Front cover for IZM63 3-pole withdrawable Article No. per pack/unit	Front cover for IZM63 4-pole withdrawable Article No. per pack/unit	Front cover for IZM63 3P+N withdrawable Article No. per pack/unit
1100	**XTMPI63WC3-H550W1100** 179345	-	-
1350	-	**XTMPI63WC4-H550W1350** 179347	**XTMPI63WC3-H550W1350** 179346

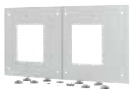
Note * Finish in special RAL colour

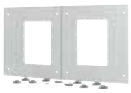
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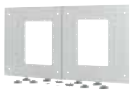
Front Covers

Incl. fixing brackets, with bayonet locks and screws. Kit including left and right cover plate.


vt73715


vt73615


vt73515


vt73515

Section width mm	Front cover for 2xIZMX16 3-polig fixed Article No. per pack/unit	Front cover for 2xIZMX16 3, 4, 3P+N fixed Article No. per pack/unit	Front cover for 2xIZMX16 3-polig withdrawable Article No. per pack/unit	Front cover for 2xIZMX16 3, 4, 3P+N withdrawable Article No. per pack/unit	
800	**XTMP2IX16FC-H550W800** 178380	-	**XTMP2IX16WC-H550W800** 178064 186457*	-	
1000	-	**XTMP2IX16FC-H550W1000** 178381	-	**XTMP2IX16WC-H550W1000** 178065 186458*	

Note * Finish in special RAL colour

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Module Doors

Incl. hinges (left-hinged) and screws


VT57614


VT58914

VT59214


VT57514


VT59514


VT59114


VT58114


VT59114

Section width mm	Module door for IZMX16 3-pole fixed Article No. per pack/unit	Module door for IZMX16 3-pole withdrawable Article No. per pack/unit	Module door for IZMX16 3+4+TP/N fixed Article No. per pack/unit	Module door for IZMX16 3+4+TP/N withdrawable Article No. per pack/unit	Module door for IZMX40 3-pole fixed Article No. per pack/unit	Module door for IZMX40 3-pole withdrawable Article No. per pack/unit	Module door for IZMX40 3+4+TP/N fixed Article No. per pack/unit	Module door for IZMX40 3+4+TP/N withdrawable Article No. per pack/unit
425	**XTMPIX16FD-H550W425** 173338 186336*	**XTMPIX16WD-H550W425** 173344 186340*	-	-	-	-	-	-
600	-	-	**XTMPIX16FD-H550W600** 173339 186337*	**XTMPIX16WD-H550W600** 173345 186341*	**XTMPIX40FD-H550W600** 173350 186344*	**XTMPIX40WD-H550W600** 173356 186562*	-	-
800	-	-	-	-	-	-	**XTMPIX40FD-H550W800** 173351 186559*	**XTMPIX40WD-H550W800** 173357 186563*


vt50116


vt50016


vt49916

Section width mm	Module door for IZM63 3-pole withdrawable Article No. per pack/unit	Module door for IZM63 4-pole withdrawable Article No. per pack/unit	Module door for IZM63 3P+N withdrawable Article No. per pack/unit
1100	**XTMPI63WD3-H550W1100** 184911	-	-
1350	-	**XTMPI63WD4-H550W1350** 184913	**XTMPI63WD3-H550W1350** 184912

Note * Finish in special RAL colour

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Control Modules, Control and Wiring Ducts, Partitions


VT60714


VT27313


VT38513


VT62514

Section width mm	Control module for XP sections for the installation of different electrical components, (circuit breakers, fuses, contactors, terminals, …) pre-punched for openings, fixed or tiltable, H = 450mm, incl. screws Article No. per pack/unit	Wiring and control module for the installation of different electrical components, (circuit breakers, fuses, contactors, terminals, …) pre-punched for openings, for cable duct XTPZBAEHD-W..., H = 250mm, incl. screws Article No. per pack/unit	Control and wiring duct in combination with control module XTPZBAVC-H250W…, completely closed, pre-punched bottom-side, incl. fixing brackets and screws Article No. per pack/unit	Partition can be used instead of control module XTPZBAVC-H250W…, electrical shock-protected cover of the main busbars Article No. per pack/unit
425	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-H250W425** 172680	**XTPZAEHD-W425** 173102	**XTPZBAVP-H250W425** 173110
600	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-H250W600** 172681	**XTPZAEHD-W600** 173100	**XTPZBAVP-H250W600** 173111
800	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-H250W800** 172682	**XTPZAEHD-W800** 173101	**XTPZBAVP-H250W800** 173041
1000	**-**	**XTPZBAVC-H250W1000** 172683	**XTPZAEHD-W1000** 173096	**XTPZBAVP-H250W1000** 173106
1100	**XTPZBAVC-H450W1100** 184909	**XTPZBAVP-H250W1100** 173107	**XTPZAEHD-W1100** 173097	**XTPZBAVP-H250W1100** 173107
1350	**XTPZBAVC-H450W1350** 184910	**XTPZBAVP-H250W1350** 173109	**XTPZAEHD-W1350** 173099	**XTPZBAVP-H250W1350** 173109

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Structure of the Support



vt61414

Fixing bracket for Durostone support

Article No.
per pack
Pack: 10 pc.

XTAAB1
173036
€ Preis



vt61214

Spacer for max. 3 copper bars

Article No.
per pack
Pack: 10 pcs.

XTAAB2
173037
€ Preis



vt61314

Fixing bracket for 1 copper bar

Article No.
per pack
Pack: 10 pcs.

XTAAB3
173038
€ Preis



vt63514

Carrier bracket for fixing the bar carriers in the vertical bar section

Article No.
per pack
Pack: 1 pc.

XTAAB4
174067
€ Preis



vt02515

Holding brackets for 2 copper bars

Article No.
per pack
Pack: 1 pc.

XTAAB5
177171
€ Preis



vt02615

Holding brackets for 3 copper bars

Article No.
per pack
Pack: 1 pc.

XTAAB6
177126
€ Preis



vt51816

Fixing bracket for triple Durostone side support

Article No.
per pack
Pack: 1 pc.

XTAAB7
184901
€ Preis

Holding brackets for 2 copper bars with larger distance between the bars

Article No.
per pack
Pack: 1 pc.

XTAAB8
184902
€ Preis



vt50916

Carrier rail for section width 1100 mm

Article No.
per pack
Pack: 1 pc.

XTAAB9
184903
€ Preis



vt50716

Carrier rail for section width 1350 mm

Article No.
per pack
Pack: 1 pc.

XTAAB10
184904
€ Preis



vt51716

Carrier bracket for fixing the bar carriers in the vertical bar section of the high-current solution

Article No.
per pack
Pack: 1 pc.

XTAAB11
184905
€ Preis



vt50816

Carrier rail (type B) for section width 1350 mm

Article No.
per pack
Pack: 1 pc.

XTAAB12
184928
€ Preis

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XP sections, single und side by side circuit breakers, fixed

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		425	fixed	no	no	no	1	3
		600	fixed	no	no	no	1	3+4+3P/N
		800	fixed	no	no	no	2	3
		1000	fixed	no	no	no	2	3+4+3P/N
		425	fixed	yes	no	no	1	3
		600	fixed	yes	no	no	1	3+4+3P/N
		800	fixed	yes	no	no	2	3
		1000	fixed	yes	no	no	2	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

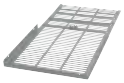
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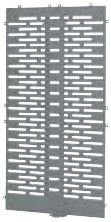
vt72015



vt72315



vt74015



VT67414

Vertical carrier plate between the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
-	**XTMPN4FM-H550W425** 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	-
-	**XTMPN4FM-H550W425** 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	-

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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wa_vt70513



vt74315



VT59814



VT60114



VT60714



VT38413

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D116** 180742	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D116** 180743	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D116** 180744	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D116** 180745	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D211** 180754	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D211** 180755	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D211** 180756	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D211** 180757	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683

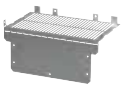
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT35914



VT62614



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, single and side by side circuit breakers, fixed (continued)

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mechanical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		425	fixed	no	yes	no	1	3
		600	fixed	no	yes	no	1	3+4+3P/N
		800	fixed	no	yes	no	2	3
		1000	fixed	no	yes	no	2	3+4+3P/N
		425	fixed	no	no	yes	1	3
		600	fixed	no	no	yes	1	3+4+3P/N
		800	fixed	no	no	yes	2	3
		1000	fixed	no	no	yes	2	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

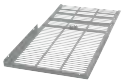
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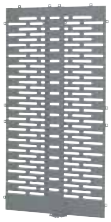
vt72015



vt72315



vt74015



VT67414

Vertical carrier plate between the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
-	**XTMPN4FM-H550W425** 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	-
-	**XTMPN4FM-H550W425** 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	-

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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wa_vt70513



vt74315



VT59814



VT60114



VT60714



VT38613

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D291** 180750	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D291** 180751	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D291** 180752	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D291** 180753	**XTPPSSZ-H700** 173052	**-**	**-**	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D168** 180746	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D168** 180747	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D168** 180748	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D168** 180749	**XTPPSSZ-H700** 173052	**-**	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683

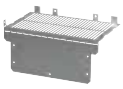
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT38513



VT62614



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, single and side by side circuit breakers, withdrawable

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mechanical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		425	withdrawable	no	no	no	1	3
		600	withdrawable	no	no	no	1	3
		600	withdrawable	no	no	no	1	3+4+3P/N
		800	withdrawable	no	no	no	2	3
		1000	withdrawable	no	no	no	2	3
		1000	withdrawable	no	no	no	2	3+4+3P/N
		425	withdrawable	no	yes	no	1	3
		600	withdrawable	no	yes	no	1	3
		600	withdrawable	no	yes	no	1	3+4+3P/N
		800	withdrawable	no	yes	no	2	3

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

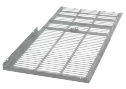
EATON Powering Business Worldwide



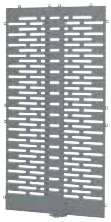
vt72015



vt69715



vt74015



VT67414

Vertical carrier plate between the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
-	**XTMPN4FM-H550W425** 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-
-	**XTMPN4FM-H550W425** 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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wa_vt70513



vt70015



VT59814



VT60114



VT60714



VT38613

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D281** 180758	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D281** 180759	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D281** 180759	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPPN4MEH-W800D281** 180760	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPPN4MEH-W1000D281** 180761	**XTPPSSZ-H700** 173052	**-**	**-**	**XTPZBAVC-250W1000** 172683
-	**XTPPN4MEH-W1000D281** 180761	**XTPPSSZ-H700** 173052	**-**	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D368** 180762	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D368** 180764	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682

Note

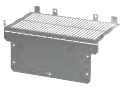
* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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VT38513



VT62614



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, single and side by side circuit breakers, withdrawable (continued)

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		1000	withdrawable	no	yes	no	2	3
		1000	withdrawable	no	yes	no	2	3+4+3P/N
		425	withdrawable	no	no	yes	1	3
		600	withdrawable	no	no	yes	1	3
		600	withdrawable	no	no	yes	1	3+4+3P/N
		800	withdrawable	no	no	yes	2	3
		1000	withdrawable	no	no	yes	2	3
		1000	withdrawable	no	no	yes	2	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

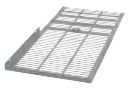
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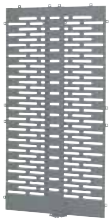
vt71815



vt69715



vt74015



VT67414

Vertical carrier plate between the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-
-	**XTMPN4FM-H550W425** 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
-	**XTMPN4FM-H550W600** 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ2-D800 180771	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



wa_vt70513



vt70215



VT59814



VT60114



VT60714



VT38613

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisiting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Wiring module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D368** 180762	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D368** 180764	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683

Note

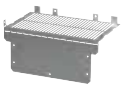
* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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VT38513



VT62614



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XAR04** 283850	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XAR06** 283851	**XNBW-R2** 106740	
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XAR08** 283852	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XAR10** 283853	**XNBW-R2** 106740	

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, stacked circuit breakers, fixed

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		425	fixed	no	no	no	1	3
		600	fixed	no	no	no	1	3+4+3P/N
		425	fixed	yes	no	no	1	3
		600	fixed	yes	no	no	1	3+4+3P/N
		425	fixed	no	yes	no	1	3
		600	fixed	no	yes	no	1	3+4+3P/N
		425	fixed	no	no	yes	1	3
		600	fixed	no	no	yes	1	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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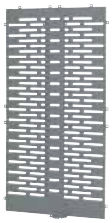
vt72015



vt72315



vt74015



VT67414

Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
XTMPN4FM-H550W425 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	**XTMPN4FC-H550W425** 180714 186500*	**XTMPN4FCC-H550W425** 180716 186502*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	**XTMPN4FC-H550W600** 180715 186501*	**XTMPN4FCC-H550W600** 180717 186503*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



wa_vt70513



vt74315



VT59814



VT60114



VT60714



VT38513

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used with XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D116** 180742	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D116** 180743	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D211** 180754	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D211** 180755	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D291** 180750	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D291** 180751	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D168** 180746	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D168** 180747	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681

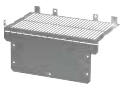
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT38513



VT62614



vt02215



vt00715



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Carrier rails for main busbar in the middle Article No. per unit	Partition in front of main busbar positioned in the middle Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, stacked circuit breakers, withdrawable

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		425	withdrawable	no	no	no	1	3
		600	withdrawable	no	no	no	1	3
		600	withdrawable	no	no	no	1	3+4+3P/N
		425	withdrawable	no	yes	no	1	3
		600	withdrawable	no	yes	no	1	3
		600	withdrawable	no	yes	no	1	3+4+3P/N
		425	withdrawable	no	no	yes	1	3
		600	withdrawable	no	no	yes	1	3
		600	withdrawable	no	no	yes	1	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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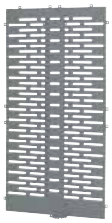
vt72015



vt69715



vt74015



VT67414

Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
XTMPN4FM-H550W425 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W600 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W600 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W425 180706	-	**XTMPN4WCC-H550W425** 180722 186683*	**XTPPN4BH-W425** 180736	**XTPPVPC-W425** 173360
XTMPN4FM-H550W600 180707	-	**XTMPN4W3CC-H550W600** 180723 186684*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361
XTMPN4FM-H550W600 180707	-	**XTMPN4W4CC-H550W600** 180724 186685*	**XTPPN4BH-W600** 180737	**XTPPVPC-W600** 173361

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



wa_vt70513



vt70015



VT59814



VT60114



VT60714



VT38513

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D281** 180758	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D281** 180759	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D281** 180759	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D368** 180762	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W425 174013 186584*	**XTPPN4MEH-W425D368** 180762	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W425** 173049	**XTPZBAVC-H450W425** 173103	**XTPZBAVC-250W425** 172680
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681
XTPPVPC-H700W600 174014 186585*	**XTPPN4MEH-W600D368** 180763	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W600** 173050	**XTPZBAVC-H450W600** 173104	**XTPZBAVC-250W600** 172681

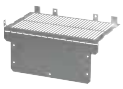
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT38513



VT62614



vt02215



vt00715



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Carrier rails for main busbar in the middle Article No. per unit	Partition in front of the main busbar positioned in the middle Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W425 173102 186663*	**XTPZBAVP-H250W425** 173110	**XTBZF1-W425** 177127	**XTPZBAVP-H350W425** 177134	**XAR04** 283850	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740
XTPZAEHD-W600 173100 186661*	**XTPZBAVP-H250W600** 173111	**XTBZF1-W600** 177128	**XTPZBAVP-H350W600** 177135	**XAR06** 283851	**XNBW-R2** 106740

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

XP sections, 4 x circuit breaker, fixed

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		800	fixed	no	no	no	2	3
		1000	fixed	no	no	no	2	3+4+3P/N
		800	fixed	yes	no	no	2	3
		1000	fixed	yes	no	no	2	3+4+3P/N
		800	fixed	no	yes	no	2	3
		1000	fixed	no	yes	no	2	3+4+3P/N
		800	fixed	no	no	yes	2	3
		1000	fixed	no	no	yes	2	3+4+3P/N

Note

* Finish in special RAL colour

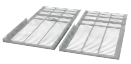
** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



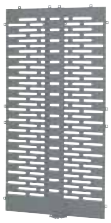
vt71815



vt72215



vt73915



VT67414

Vertical carrier plate beteween the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breaker Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	**-**
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	**-**
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	**-**
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	**XTMP2N4FC-H550W800** 180725 186686*	**XTMP2N4FCC-H550W800** 180727 186688*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	**XTMP2N4FC-H550W1000** 180726 186687*	**XTMP2N4FCC-H550W1000** 180728 186689*	**XTPP2N4BH-W1000** 180739	**-**

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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wa_vt70513



vt70415



VT59814



VT60114



VT60714



VT38413

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisiting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D116** 180744	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D116** 180745	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D211** 180756	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D211** 180757	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D291** 180752	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D291** 180753	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D168** 180748	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D168** 180749	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683

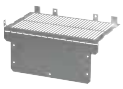
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT38513



VT62614



vt01815



vt00715



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Carrier rails for main busbar in the middle Article No. per unit	Partition in front of main busbar positioned in the middle Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

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XP sections, 4 x circuit breaker, withdrawable

	I_{cc} up to (400 V AC) kA	Section width mm	Installation type	Mecha-nical locking	Remote drive	Rotary drive	Breakers /EBS	Poles
Circuit breaker								
NZM4		800	withdrawable	no	no	no	2	3
		1000	withdrawable	no	no	no	2	3
		1000	withdrawable	no	no	no	2	3+4+3P/N
		800	withdrawable	no	yes	no	2	3
		1000	withdrawable	no	yes	no	2	3
		1000	withdrawable	no	yes	no	2	3+4+3P/N
		800	withdrawable	no	no	yes	2	3
		1000	withdrawable	no	no	yes	2	3
		1000	withdrawable	no	no	yes	2	3+4+3P/N

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

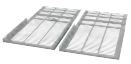
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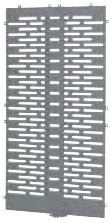
vt71815



vt69415



vt73915



VT67414

Vertical carrier plate between the MCCB modules Article No. per unit	Fitting kit for NZM4 incl. mounting plate, fixing brackets and screws Article No. per unit	Front plate IP31 incl. fixing brackets and screws Article No. per unit	Front plate IP42 + IP55 incl. fixing brackets and screws Article No. per unit	Horizontal partition between incoming/ outgoing contacts of the circuit breakers Article No. per unit	Additional contact protection (PVC) at the rear Article No. per unit
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W800** 180708	-	**XTMP2N4WCC-H550W800** 180733 186694*	**XTPP2N4BH-W800** 180738	**XTPPVPC-W800** 173362
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W3CC-H550W1000** 180734 186695*	**XTPP2N4BH-W1000** 180739	-
XTPPCCZ3-D800 180772	**XTMP2N4FM-H550W1000** 180709	-	**XTMP2N4W4CC-H550W1000** 180735 186696*	**XTPP2N4BH-W1000** 180739	-

Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



wa_vt70513



VT59814



VT60114



VT60714



VT38413

Transparent cover of the cable connection area H=700mm Article No. per unit	Horizontal partition above/below the circuit breaker Article No. per unit	Side separation panel consisting of 2 pcs. of partition panels H=700mm Article No. per unit	Wiring and control module to be used for XP sections in combination with XTPPSSZ-700 (side separation panel) Article No. per unit	Control module for XP sections H=450mm Article No. per unit	Wiring and control module H=250mm Article No. per unit
XTPPVPC-H700W800 174015 186586*	**XTPPN4MEH-W800D281** 180760	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPPN4MEH-W1000D281** 180761	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
-	**XTPPN4MEH-W1000D281** 180761	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D368** 180764	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
XTPPVPC-H700W800 174015 186586*	**XTPP2N4MEH-W800D368** 180764	**XTPPSSZ-H700** 173052	**XTPPCAVC-H700W800** 173051	**XTPZBAVC-H450W800** 173105	**XTPZBAVC-250W800** 172682
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683
-	**XTPP2N4MEH-W1000D368** 180765	**XTPPSSZ-H700** 173052	-	**XTPZBAVC-H450W1000** auf Anfr.	**XTPZBAVC-250W1000** 172683

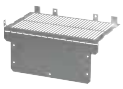
Note

* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.



VT38513



VT62614



vt02015



vt00715



wa_vt15013



wa_vt58313

Control and wiring channel in combination with control module XTPZBAVC-H250W.. Article No. per unit	Partition instead of a control module XTPZBAVC-H250W.. Article No. per unit	Carrier rails for main busbar in the middle Article No. per unit	Partition in front of the main busbar positioned in the middle Article No. per unit	Cable strain relief rail Article No. per unit	Fixing brackets for cable strain relief rail Article No. per unit
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W800 173101 186662*	**XTPZBAVP-H250W800** 173041	**XTBZF1-W800** 177129	**XTPZBAVP-H350W800** 177136	**XAR08** 283852	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740
XTPZAEHD-W1000 173096 186657*	**XTPZBAVP-H250W1000** 173106	**XTBZF1-W1000** 177130	**XTPZBAVP-H350W1000** 177137	**XAR10** 283853	**XNBW-R2** 106740

Note

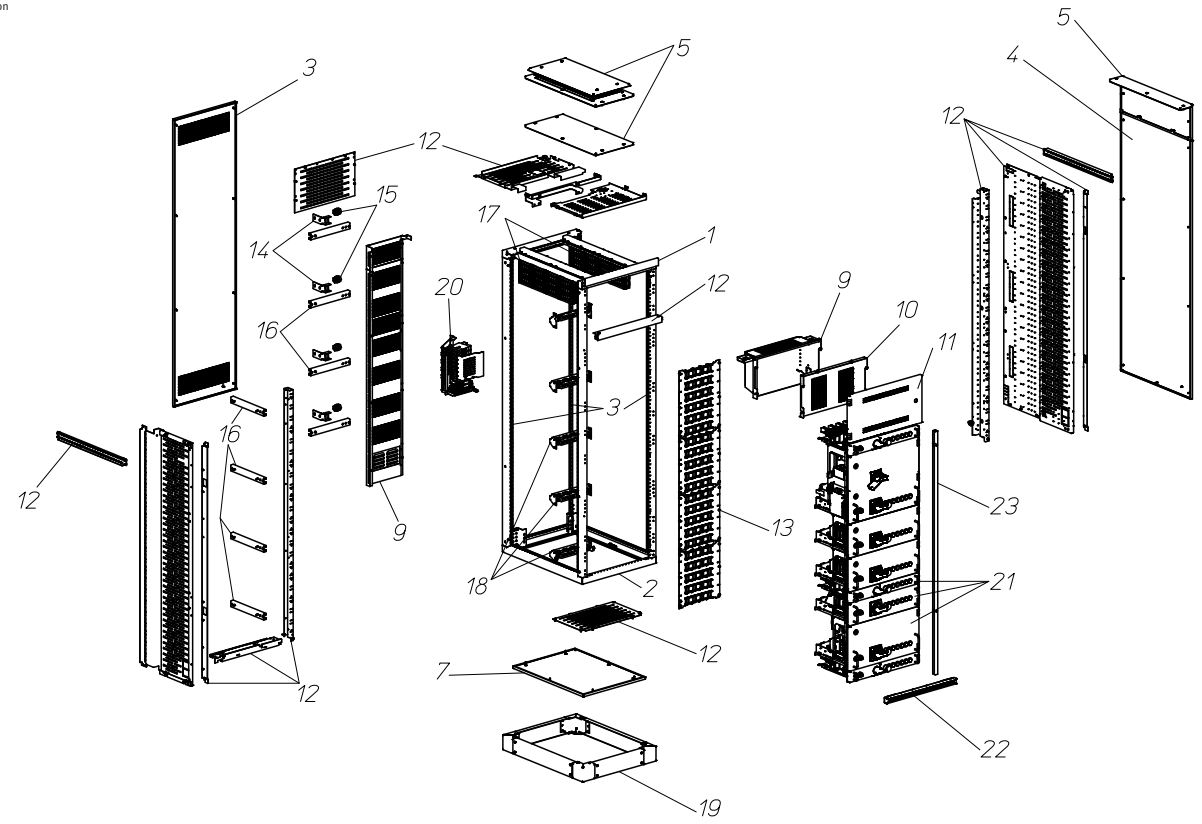
* Finish in special RAL colour

** Combination is possible, but only with an IP55 cover. To install a rotary drive, for example, the inner front plate (mobile part) has to be removed.

Notes

Outgoing Sections as Motor Control Centers in Withdrawable Technology

XW_Explosion



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Wiring/control module
10 Partition - main busbar
11 Door - control module
12 Fitting kit
13 Partition - dropper bar
14 Bracket - PE dropper bar
15 Insulators N conductor
16 Cable strain relief rails
17 Main busbar supports
18 Dropper bar supports
19 Plinth
20 Terminal - cable box
21 Drawer modules
22 Covers for empty sections
23 Front filler
24 Front filler vertical

Features

- Widths: 600, 800, 1000mm (widths 800 and 1000mm come with a door to the cable connection area)
- Module width: 600mm
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31, IP42, IP55
- Drawer modules optionally with plastic or steel front plates
- Dropper bar 1600-2000A
- Cable connection area at the back
- Each module has a separate cable con-nection box
- Tilted position of the cable connection box for ideal connection conditions
- Can be used as standard drawer modules, from 75-450mm height
- Mounting kits of 600 and 750mm height are available for fixed modules
- Max. module height available = 1575mm / 21 modu-les

Notes

- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protec-tion through additional measures
- The max. height available for mounting plates is 1600mm
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hin-ges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accesso-ries, please refer to chapter “General Accessories“.

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Outgoing Section as Motor Control Center with connection at the rear



wa_vt03514



VT34713



VT35113



VT37913



VT37813



VT39413

Section width mm	Cable connection area at the side	XW Fitting kit left and right multi-mounting side panel, for width 600mm Article No. per pack/unit	XW Extension kits in combination with fitting kit XW XTMWS-W600, additional cable connection area at the side Article No. per pack/unit	Set of dropper bar supports for N in XW section, 4 insulators, H = 40mm Article No. per pack/unit	Set of dropper bar supports for PE in XW-section, 4 fixing brackets incl. screws Article No. per pack/unit	Wiring and control module for installation of different electrical components, for holding a cable duct Article No. per pack/unit
600	no	**XTMWS-W600** 172667 186651*	**-**	**XTDWSVN1** 172663	**XTDWSPE1** 172664	**XTPWBAVC-H325W600** 172677
800	yes (200mm)	**XTMWS-W600** 172667 186651*	**XTMWC-W800** 172666 186650*	**XTDWSVN1** 172663	**XTDWSPE1** 172664	**XTPWBAVC-H325W800** 172678
1000	yes (400mm)	**XTMWS-W600** 172667 186651*	**XTMWC-W1000** 172665 186649*	**XTDWSVN1** 172663	**XTDWSPE1** 172664	**XTPWBAVC-H325W1000** 172679

Note * Finish in special RAL colour



VT36613



VT36213



VT36113



VT35513

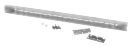


VT35813

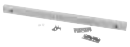
Cover in front of main busbars instead of a control module, incl. screws Article No. per pack/unit	Door IP31 for control module left and right, H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	Door IP55 for control module left and right, H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	IP 31 doors to cable connection area, right-hinged, ventilated, with extension sets for additional cable connection area at the side Article No. per pack/unit	IP 55 doors to cable connection area, right-hinged, ventilated, with extension sets for additional cable connection area at the side Article No. per pack/unit
XTPWBAVP-H325W600 172687	**XTSZDSQV3-H325W600** 172707 186297*	**XTSZDSQC-H325W600** 172704 186294*	-	-
XTPWBAVP-H325W800 172688	**XTSZDSQV3-H325W800** 172708 186298*	**XTSZDSQC-H325W800** 172705 186295*	**XTSZDCKV3R-H1625W220** 172733 186680*	**XTSZDCKC-H1625W220** 172731 186654*
XTPWBAVP-H325W1000 172689	**XTSZDSQV3-H325W1000** 172706 186296*	**XTSZDSQC-H325W1000** 172703 186293*	**XTSZDCKV3R-H1625W420** 172734 186681*	**XTSZDCKC-H1625W420** 172732 186655*

Note * Finish in special RAL colour

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VT37213



VT37113



VT32114



VT22413

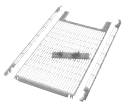
Compensation cover IP31,ventilated, each fitting kit needs one compensation cover Article No. per pack/unit	Compensation cover IP55, closed, each fitting kit needs one compensation cover Article No. per pack/unit	Compensation cover vertical for XW sections 600mm wide (no cable connection area at the side) H = 1625mm, RAL 7035, each fitting kit needs one compensation cover Article No. per pack/unit	Separation panel section/section, separation panel as high as the section, each section needs one separation p., incl. screws Article No. per pack/unit	
XTSWFV3 172700 186653*	**XTSWFC** 172699 186652*	**XTSWEVDR-H1625** 173054 186656*	**XTPZSSZ1** 172698	
XTSWFV3 172700 186653*	**XTSWFC** 172699 186652*	**-**	**XTPZSSZ1** 172698	
XTSWFV3 172700 186653*	**XTSWFC** 172699 186652*	**-**	**XTPZSSZ1** 172698	

Note * Finish in special RAL colour

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Components for Motor Control Center

Fitting Kit, Expansion Sets, Wiring and Control Modules



VT34714



VT35113



VT39413

Section width mm	XW Fitting kit for width 600mm, left and right multi-mounting side panel, all fixing profiles, incl. screws and partitions Article No. per pack/unit	Section width mm	XW Expansion Set in combination with an XW XTMWS-W600 fitting kit, for XW sections with an additional cable connection a. at the side (200/400mm), consisting of cross-supports, mounting straps, vertical mounting, profile, partitions, incl. screws Article No. per pack/unit	Wiring and control module for installation of different electrical components, circuit breakers, fuses, contactors, terminals, …), prepared for holding a cable duct, pre-punched areas for holes, control/auxiliary current compartment Article No. per pack/unit
600	**XTMWS-W600** 172667 186651*	600	**-**	**XTPWBAVC-H325W600** 172677
		800	**XTMWC-W800** 172666 186650*	**XTPWBAVC-H325W800** 172678
		1000	**XTMWC-W1000** 172665 186649*	**XTPWBAVC-H325W1000** 172679

Note * Finish in special RAL colour

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Covers, Doors



VT36613



VT36213



VT36113

Section width mm	Cover in front of main busbar, to cover the main busbar if no control module is used incl. screws Article No. per pack/unit	Door compatible with control module, IP31, left and right-hinged, door height is adjusted to control module (H=325mm), incl. hinges, 3mm two-way key--bit lock and 3mm two-way key Article No. per pack/unit	Door compatible with control module, IP55, closed, left and right-hinged, door height is adjusted to control module (H = 325mm), incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	
600	**XTPWBAVP-H325W600** 172687	**XTSZDSQV3-H325W600** 172707 186297*	**XTSZDSQC-H325W600** 172704 186294*	
800	**XTPWBAVP-H325W800** 172688	**XTSZDSQV3-H325W800** 172708 186298*	**XTSZDSQC-H325W800** 172705 186295*	
1000	**XTPWBAVP-H325W1000** 172689	**XTSZDSQV3-H325W1000** 172706 186296*	**XTSZDSQC-H325W1000** 172703 186293*	

Note * Finish in special RAL colour

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Doors to Cable Connection Area



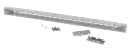
VT35713



VT35613

Width mm	Doors to cable connection area, IP31, ventilated, with extension sets for additional cable connection area at the side, right-hinged, incl. 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Doors to cable connection area, IP55, closed, with extension sets for additional cable connection area at the side, right-hinged, incl. 3mm two-way key-bit lock and 3mm two-way key, incl. screws Article No. per pack/unit	
220	**XTSZDCKV3R-H1625W220** 172733 186680*	**XTSZDCKC-H1625W220** 172731 186654*	
420	**XTSZDCKV3R-H1625W420** 172734 186681*	**XTSZDCKC-H1625W420** 172732 186655*	

Compensation Cover, Vertical Compensation Cover, Separation Panel Section / Section



VT37213



VT32914



VT22413

	Compensation cover available in IP31 and IP55, ventilated each fitting kit (width 600,800,1000mm) requires one compensation cover Article No. per pack/unit	Compensation cover vertical for XW sections of 600mm width (no cable connection area at the side), each fitting kit requires one vertical compensation cover H = 1625mm, RAL 7035 Article No. per pack/unit	Separation panel section/section separation panel as high as the section, use one separation panel per section, incl. screws Article No. per pack/unit	
	XTSWFV3 172700 186653*	**XTSWEVDR-H1625** 173054 186656*	**XTPZSSZ1** 172698	

Note * Finish in special RAL colour

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Set of Dropper Bar Supports


VT37013

Set of dropper bar supports, 35 kA, dropper bar supports come assembled, incl. fixing brackets, for 3 or 4-pole use, for Cu 2x40/10, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTDWSV2X40X10/35
172657


VT36913

Set of dropper bar supports, 65 kA, dropper bar supports come assembled, incl. fixing brackets, for 3 or 4-pole use, for Cu 2x40/10, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTDWSV2X40X10/65
172658


VT36813

Set of dropper bar supports, 80 kA, dropper bar supports come assembled, incl. fixing brackets, for 3 or 4-pole use, for Cu 2x40/10, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTDWSV2X40X10/80
172659

Partition Set of Dropper Bar for XW Sections


VT35313

XW Dropper bar partition, galvanized, 35 kA, busbar currents up to 1000A, 3-part partition incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTPWDUG35
172673


VT35413

XW Dropper bar partition galvanized, 65 kA, busbar currents up to 1000A, 3-part partition, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTPWDUG65
172674


VT34813

XW Dropper bar partition, stainless steel, 35 kA, busbar currents from 1000 A up to 1600 A max., 3-part partition, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTPWDUS35
172675


VT35213

XW Dropper bar partition. stainless steel, 50/65/80 kA, busbar currents from 1000 A up to 1600 A max., 3-part partition, incl. screws

Article No.
per pack/unit
Pack = 1 Set

XTPWDUS80
172676

Cable Connection Boxes for XW Sections


VT37713

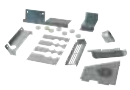
Cable connection box H = 75mm, modular design, inkl. all sheet-metal parts, cable entries and screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUB-H75
172670


VT37613

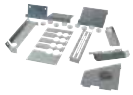
Cable connection box H = 150mm, modular design, incl. all sheet-metal parts, cable entries and screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUB-H150
172671


VT37513

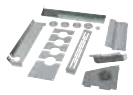
Cable connection box H = 225mm, modular design, incl. all sheet-metal parts, cable entries and screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUB-H225
172672


VT37413

Cable connection box H = 300mm, modular design, incl. all sheet-metal parts, cable entries and screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUB-H300
172668


VT37313

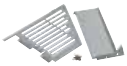
Cable connection box H = 450mm, modular design, incl. all sheet-metal parts, cable entries and screws

Article No.
per pack/unit
Pack = 1 Set

XTPWCUB-H450
172669

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Partition between Switchgear Area and Cable Box in Case of Empty Spaces



VT63714

Partition
H = 75mm,
for closing the gap at the rear of the switch-gear area in case of an empty-space cover
Article No.
per pack/unit
Pack = 1 Set

XTPWCUV-H75
173328



VT63814

Partition
H = 150mm,
for closing the gap at the rear of the switch-gear area in case of an empty-space cover
Article No.
per pack/unit
Pack = 1 Set

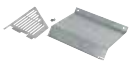
XTPWCUV-H150
173324



VT63914

Partition
H = 225mm,
for closing the gap at the rear of the switch-gear area in case of an empty-space cover
Article No.
per pack/unit
Pack = 1 Set

XTPWCUV-H225
173325



VT64014

Partition
H = 300mm,
for closing the gap at the rear of the switch-gear area in case of an empty-space cover
Article No.
per pack/unit
Pack = 1 Set

XTPWCUV-H300
173326

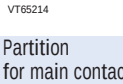


VT64114

Partition
H = 450mm,
for closing the gap at the rear of the switchgear area in case of an empty-space cover
Article No.
per pack/unit
Pack = 1 Set

XTPWCUV-H450
173327

Partitions between Cable Box and Switchgear Area/Drawer (Shelf Base)



VT65214

Partition
for main contacts,
for closing the gaps between functional areas, cable connection and switchgear area,
compulsory for Form 4,
incl. screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUA1
173329



VT65114

Partition
for auxiliary contacts,
for closing the gaps between functional areas,
cable connection and switchgear area,
compulsory for Form 4,
incl. screws
Article No.
per pack/unit
Pack = 1 Set

XTPWCUA2
173330

Partition for Control Terminals



VT64214

Partition for control terminals
If not all of the plug-in positions are used for plugging control terminals, the remaining positions of the support will be covered by this partition

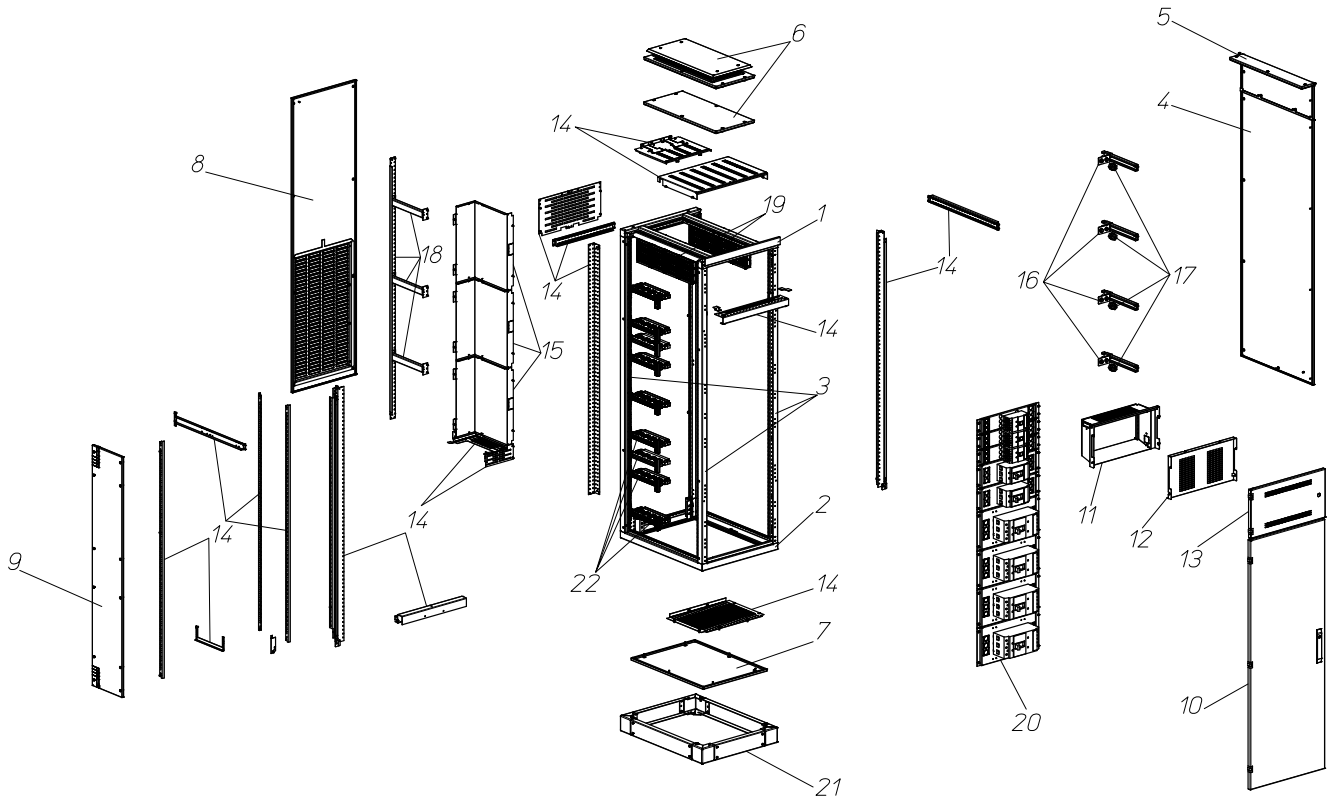
Article No.
per pack/unit
Pack = 1 Set

XTPWAEZD
173331

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XF Sections
Outgoing Section in Form 2

XF_Explosion_2b



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Door to switchgear area
11 Wiring/control module
12 Partition main busbar
13 Door to control module
14 Fitting kit
15 Partition dropper bar
16 Bracket PE dropper bar
17 Insulators N conductor
18 Cable strain relief rails
19 Main busbar support
20 Modules
21 Plinth
22 Dropper bar support

Features

- Widths: 600, 800, 1000mm
- Module width: 600mm
- Form2
- 3, 4, 3P+N
- IP31, IP42, IP55
- Circuit breaker can be used with plug-in base
- Switchgear can be realised with remote drive
- One door across the entire switchgear area
- For widths of 800 and 1000mm one shared door across the switchgear and cable connection area
- Dropper bar 1600-2000A
- Cable connection area at the rear
- All modules sit on the same level
- Max. height available for installation/switchgear area = 1600mm

Notes

- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. height available for mounting plates is 1600mm
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

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XF Sections, Form 2



wa_vt03614



VT31014



VT37913



VT37813



VT39413

Section width mm	Cable connection area at the side	XF Fitting kit Form 2 Article No. per pack/unit	XF Extension sets in combination with XF XTMFS4-W600 fitting kit, additional cable connection area at the side Article No. per pack/unit	Set of dropper bar supports for N in XF section, 4 insulators, H = 40mm, incl. screws Article No. per pack/unit	Set of dropper bar supports for PE in XF section, 4 fixing brackets, incl. screws Article No. per pack/unit	Wiring and control module for the installation of different electrical components, for holding a cable duct Article No. per pack/unit
600	no	**XTMFS2** 174001 186574*	**-**	**XTDWSVN1** 172663	**XTDWSVPE1** 172664	**XTPWBAVC-H325W600** 172677
800	yes	**XTMFS2** 174001 186574*	**XTMFC4-W800** 173999 186572*	**XTDWSVN1** 172663	**XTDWSVPE1** 172664	**XTPWBAVC-H325W800** 172678
1000	yes	**XTMFS2** 174001 186574*	**XTMFC4-W1000** 173998 186571*	**XTDWSVN1** 172663	**XTDWSVPE1** 172664	**XTPWBAVC-H325W1000** 172679

Note * Finish in special RAL colour

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VT36613



VT72614



VT69614



VT69014



VT36313



VT36113

Cover in front of main busbars instead of a control module incl. screws Article No. per pack/unit	Dropper bar support Article No. per pack/unit	Partition dropper bars Article No. per pack/unit	Set of cable strain relief rails Article No. per pack/unit	Door IP31 for control module, left and right, ventilated, H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	Door IP55 for control module left and right, closed H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit
XTPWBAVP-H325W600 172687	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTSZDSQV3-H325W600** 172707 186297*	**XTPWBAVP-H325W600** 172687
XTPWBAVP-H325W800 172688	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTSZDSQV3-H325W800** 172708 186298*	**XTPWBAVP-H325W800** 172688
XTPWBAVP-H325W1000 172689	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTSZDSQV3-H325W1000** 172706 186296*	**XTPWBAVP-H325W1000** 172689

Dropper bar supports



VT72114



VT72614

Cu-cross-section (mm)	Bar support at top and bottom level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 Set	Bar support at medium level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 unit
2x40/10	**XTDFSTB2X40X10/80** 174069	**XTDFBM2X40X10/80** 174073
2x60/10	**XTDFSTB2X60X10/80** 174071	**XTDFBM2X60X10/80** 174075

The number of dropper bar supports and the distance between them varies depending on the short-circuit strength of the dropper bars (see Technical Section).

Note * Finish in special RAL colour

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VT66414



VT66514



vt120014



vt119914



VT66614



VT22413

Door to switchgear area, IP31, left, ventilated, 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Door to switchgear area, IP31, right, ventilated, 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Door to switchgear IP42, left, ven-, tilated, 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Door to switchgear area, IP42, right, ventilated, 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Door to switchgear area, IP55, right, closed, 3mm two-way key-bit lock and two-way key, incl. screws Article No. per pack/unit	Separation panel section/section incl. screws Article No. per pack/unit
XTSZDSKV3L-H1625W592 174036 186596*	**XTSZDSKV3R-H1625W592** 174037 186597*	**XTSZDSKV4L-H1625W592** 174038 186598*	**XTSZDSKV4R-H1625W592** 174039 186599*	**XTSZDSKC-H1625W592** 174035 186595*	**XTPZSSZ1** 172698
-	-	-	-	-	**XTPZSSZ1** 172698
-	-	-	-	-	**XTPZSSZ1** 172698

Note * Finish in special RAL colour

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Components XF Form 2



Dropper bar supports



VT72114



VT72614

Cu-cross-section mm	Bar support at top and bottom level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 Set	Bar support at medium level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 unit
2x40/10	**XTDFSTB2X40X10/80** 174069	**XTDFBM2X40X10/80** 174073
2x60/10	**XTDFSTB2X60X10/80** 174071	**XTDFBM2X60X10/80** 174075

The number of dropper bar supports and the distance between them varies depending on the short-circuit strength of the dropper bars (see Technical Section).

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General Accessories: Mounting Plates - undrilled

Incl. fixing material

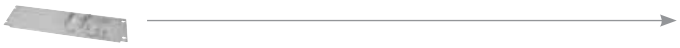


wa_vt33513

Width mm	H = 50 mm Article No. per pack/unit Pack=1 Set	H = 100 mm Article No. per pack/unit Pack=1 Set	H = 150 mm Article No. per pack/unit Pack=1 Set	H = 200 mm Article No. per pack/unit Pack=1 Set	H = 250 mm Article No. per pack/unit Pack=1 Set	H = 300 mm Article No. per pack/unit Pack=1 Set	H = 350 mm Article No. per pack/unit Pack=1 Set	H = 400 mm Article No. per pack/unit Pack= 1 Set	H = 500 mm Article No. per pack/unit Pack=1 Set
600	**XME0206M** 283925	**XME0406M** 283933	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M** 171724	**XME1606M** 283951	**XME2006M** 171725

General Accessories: Mounting Plates - undrilled (continued)

Incl. fixing material



wa_vt33513

Width mm	H = 600 mm Article No. per pack/unit Pack = 1 Set	H = 800 mm Article No. per pack/unit Pack = 1 Set	H = 950 mm Article No. per pack/unit Pack = 1 Set	H = 1000 mm Article No. per pack/unit Pack = 1 Set	H = 1200 mm Article No. per pack/unit Pack = 1 Set
600	**XME2406M** 285687	**XME3206M** 126010	**XME3806M** 171660	**XME4006M** 171726	**XME4806M** 171727

Powering Business Worldwide

Accessories for Outgoing Section: Mounting Plates for PKZ



wa_vt68313



wa_vt68113

Width mm	horizontal 3-pole H = 50 mm Article No. per pack/unit	horizontal 3-pole H = 100 mm Article No. per pack/unit	
600	**XMP030206M** 284090	**XMP430406M** 284098	

Accessories for Outgoing Section: Mounting Plates for NZM1



wa_vt68013

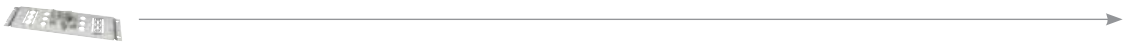


wa_vt68113

Width mm	UK 1xNZM1 horiz. 4-pole H = 150 mm fixed Article No. per pack/unit	1xNZM1 horizontal 3-pole H = 100 mm fixed Article No. per pack/unit	1xNZM1 horizontal 4-pole H = 150 mm fixed Article No. per pack/unit	1xNZM1 horizontal 3-pole H = 150 mm plug-in technology Article No. per pack/unit	2xNZM1 vertical 3-pole H = 300 mm fixed Article No. per pack/unit	3xNZM1 vertical 3-pole H = 300 mm fixed Article No. per pack/unit	2xNZM1 vertical 4-pole H = 300 mm fixed Article No. per pack/unit	3xNZM1 vertical 4-pole H = 300 mm fixed Article No. per pack/unit	
600	**XMN140606M-UK** 110255	**XMN130406M** 283998	**XMN140606M** 284006	**XMN130606MP** 121796	**-**	**XMN131206MV** 284002	**-**	**XMN141206MV** 284010	

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Accessories for Outgoing Section: Mounting Plates for NZM2



wa_vt54913

Width mm	UK 1xNZM2 horizontal 4-pole H = 200 mm fixed Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm fixed Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm plug-in technology Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm with motor lift (sticks 15 mm out of the front p.) Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm fixed Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm plug-in tech-nology fixed Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm cover for RCD module Article No. per pack/unit	2xNZM2 vertical 3-pole H = 400 mm fixed Article No. per pack/unit
600	**XMN240606M-UK** 110256	**XMN230606M** 284014	**XMN230606MP** 284724	**XMN230606M** 284014	**XMN240806M** 284027	**XMN240806MP** 284726	**XMN240806MF** 134485	**-**

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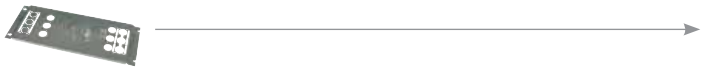
Accessories for Outgoing Section: Mounting Plates for NZM3



wa_vt72913

Width mm	UK 1xNZM3 horizontal 4-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 200 mm fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 300 mm fixed Article No. per pack/unit	
600	**XMN340606M-UK** 110257	**XMN330806M** 284038	**XMN331006M** 284041	**XMN341006M** 284054	**XMN341206M** 284057	

Accessories for Outgoing Section: Mounting Plates for NZM3 (continued)



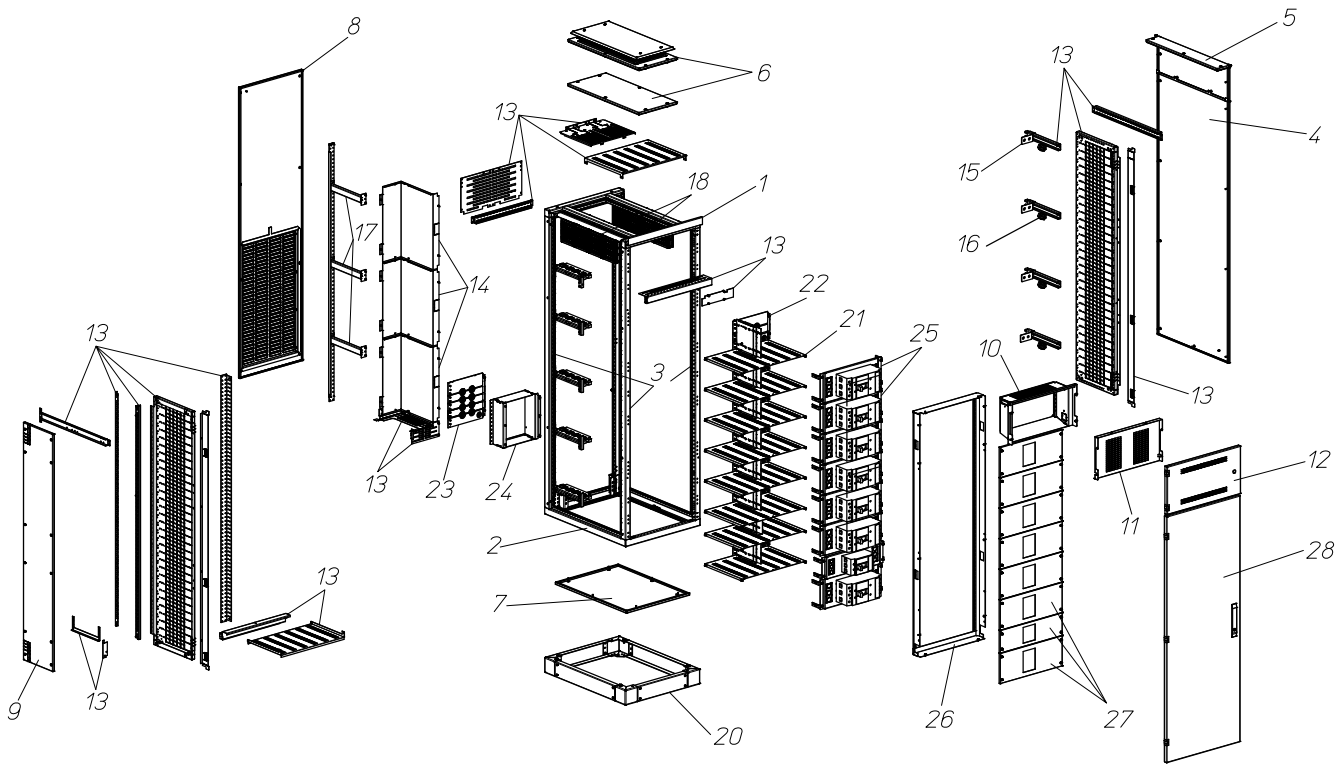
wa_vt72913

Width mm	1xNZM3, horizontal 3-pole, H = 200 mm4-p with motor lift, motor lift sticks 55 mm out of the front panel, tilting is not possible, fixed Article No. per pack/unit	1xNZM3, horizontal e, H = 250 mmhorizonta with motor lift, motor lift sticks 55 mm out of the front panel, tilting is not possible, fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 250 mm plug-in technology Article No. per pack/unit	1xNZM3 4-pole H = 300 mm plug-in technology Article No. per pack/unit	
600	**XMN330806M** 284038	**XMN341006M** 284054	**XMN331006MP** 172199	**XMN341206MP** 172201	

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XF Sections
Outgoing Sections - Fixed Technology - Form 4

XF_Explosion_4b



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Wiring/control module
11 Partition main busbar
12 Door - control module
13 Fitting kit
14 Partition dropper bar
15 Bracket PE dropper bar
16 Insulators N conductor
17 Cable strain relief rail
18 Main busbar support
19 Dropper bar supports
20 Plinth
21 Separation panel module/module
22 Separation panel busbar/cable box
23 Cable entry - cable box
24 Extension/stacking frame cable box
25 Modules
26 Cover frame
27 Front panels
28 Door to switchgear area

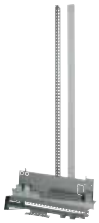
Features
- Widths: 600, 800, 1000mm
- Module width: 600mm
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31, IP42, IP55
- Circuit breaker can be used with plug-in base
- Switchgear can be realised with remote drive
- Each module has its own front panel
- Widths 800 and 1000mm come with a door to the cable connection area
- Dropper bar 1600-2000A
- Cable connection area at the rear
- Each module has its own cable connect. box
- Cable connection boxes can be extended with additional frames
- Max. height available for installation/switchgear area = 1550mm

Notes
- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. height available for mounting plates is 1600mm
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

XF Sections, Form 4


wa_vt03714


VT68914


VT66814


VT69114


VT37913


VT37813


VT39613

Section width mm	Cable connect. area at the side	XF Fitting kit Form 4 for width 600mm Article No. per pack/unit	XF Extenstion sets in combination with XF XTMFS4-W600 fitting kit additional cable connection area at the side Article No. per pack/unit	Cover frame Article No. per pack/unit	Set of dropper bar supports for N in XF section, 4 insulators, H = 40mm, incl. screws Article No. per pack/unit	Set of dropper bar supports for PE in XF section, 4 fixing brackets, incl. screws Article No. per pack/unit	Wiring and control module for the installation of different electrical components, for holding a cable duct Article No. per pack/unit
600	no	**XTMFS4-W600** 174000 186573*	**-**	**XTMFF-MW600** 173997 186570*	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W600** 172677
800	yes	**XTMFS4-W600** 174000 186573*	**XTMFC4-800** 173999 186572*	**XTMFF-MW600** 173997 186570*	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W800** 172678
1000	yes	**XTMFS4-W600** 174000 186573*	**XTMFC4-W1000** 173998 186571*	**XTMFF-MW600** 173997 186570*	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W1000** 172679

Note * Finish in special RAL colour

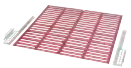
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VT36613



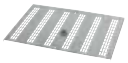
VT72614



VT69914



VT69014



VT70914



VT36313



VT36113

Cover in front of main busbars instead of a control module incl. screws Article No. per pack/unit	Dropper bar support Article No. per pack/	Partition dropper bars Article No. per pack/	Set of cable strain relief rails Article No. per pack/	Partition switchgear area / switch-gear area Article No. per pack/unit	Door IP31 for control mo-dule, left and right, ventilated, H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	Door IP55 for control mo-l dule, left and right, closed H = 325mm incl. hinges, 3mm two-way key-bit lcok and two-way key Article No. per pack/unit
XTPWBAVP-H325W600 172687	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W600** 172707 186297*	**XTPWBAVP-H325W600** 172687
XTPWBAVP-H325W600 172688	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W800** 172708 186298*	**XTPWBAVP-H325W800** 172688
XTPWBAVP-H325W600 172689	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W1000** 172706 186296*	**XTPWBAVP-H325W1000** 172689

Note * Finish in special RAL colour

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VT66414



VT66514



vt120014



vt119914



VT66614



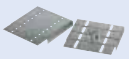
VT22413

Door to cable con. area, IP31, left, vent., 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a., IP31, right, ventil., 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP42, left, ventilated, 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP42, right, ventilat., 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP55, right, closed, 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Separation panel section/section incl. screws Article No. per pack/unit
XTSZDSKV3L-H1625W592 174036 186596*	**XTSZDSKV3R-H1625W592** 174037 186597*	**XTSZDSKV4L-H1625W592** 174038 186598*	**XTSZDSKV4R-H1625W592** 174039 186599*	**XTSZDSKC-H1625W592** 174035 186595	**XTPZSSZ1** 172698
XTSZDCKV3L-H1625W195 174062 186590*	**XTSZDCKV3R-H1625W195** 174063 186591*	**XTSZDCKV4L-H1625W195** 174064	**XTSZDCKV4L-H1625W195** 174033	**XTSZDCKC-H1625W195** 174061 186589*	**XTPZSSZ1** 172698
XTSZDCKV3L-H1625W395 174031 186593*	**XTSZDCKV3R-H1625W395** 174032 186594*	**XTSZDCKV4R-H1625W395** 174029	**XTSZDCKV4R-H1625W395** 174034	**XTSZDCKC-H1625W395** 174030 186592*	**XTPZSSZ1** 172698

Note * Finish in special RAL colour

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Cable Connection Boxes

Module height	Partition dropper bar/ cable connection area incl. screws  VT70814 Article No. per pack/unit Pack = 1 Set	Stack/ expansion frame for cable connection box incl. screws  VT64914 Article No. per pack/unit Pack = 1 Set	Closing plates cable connection box  VT71514 Article No. per pack/unit Pack = 1 Set	Contents
50	**XTPFUUZ-H50** 174017	-	**XTPFCUV1-H50MW600** 174049	
100	**XTPFUUZ-H100** 174018	-	**XTPFCUV1-H100MW600** 174050	KT21 = 1 pc. KT29 = 2 pcs.
150	**XTPFUUZ-H150** 174019	**XTPFCUB-H150MW600** 174042	**XTPFCUV1-H150MW600** 174052	KT21 = 1 pc. KT29 = 2 pcs.
200	**XTPFUUZ-H200** 174020	**XTPFCUB-H200MW600** 174043	**XTPFCUV1-H200MW600** 174053	KT21 = 1 pc. KT29 = 4 pcs.
250	**XTPFUUZ-H250** 174021	**XTPFCUB-H250MW600** 174044	**XTPFCUV1-H250MW600** 174054	KT21 = 1 pc. KT29 = 6 pcs.
300	**XTPFUUZ-H300** 174022	**XTPFCUB-H300MW600** 174045	**XTPFCUV1-H300MW600** 174055	KT21 = 1 pc. KT29 = 8 pcs.
350	**XTPFUUZ-H350** 174023	-	-	
400	**XTPFUUZ-H400** 174024	**XTPFCUB-H400MW600** 174046	**XTPFCUV1-H400MW600** 174056	KT21 = 1 pc. KT29 = 12 pcs.
500	**XTPFUUZ-H500** 174025	**XTPFCUB-H500MW600** 174047	**XTPFCUV1-H500MW600** 174057	KT21 = 1 pc. KT42 = 8 pcs.
600	**XTPFUUZ-H600** 174026	**XTPFCUB-H600MW600** 174048	**XTPFCUV1-H600MW600** 174058	KT21 = 1 pc. KT42 = 10 pcs.
800	**XTPFUUZ-H800** 174027	-	-	
1000	**XTPFUUZ-H1000** 174028	-	-	
1200	**XTPFUUZ-H1200** 174041	-	-	

Dropper bar supports



VT72114



VT72614

Cu-cross-section (mm)	Bar support at top and bottom level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 Set	Bar support at medium level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 pc.
2x40/10	**XTDFSTB2X40X10/80** 174069	**XTDFBM2X40X10/80** 174073
2x60/10	**XTDFSTB2X60X10/80** 174071	**XTDFBM2X60X10/80** 174075

The number of dropper bar supports and the distance between them varies depending on the short-circuit strength of the dropper bars (see Technical Section).

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Components XF Form 4



Doors to Cable Connection Area


VT66014


VT65914

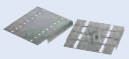

VT35513

Section width (mm)	Cable connect. area width mm	Degree of protection	XF Section Box Solution/4b left or right, doors without lighting can be used on both sides Article No. per pack/unit	XF Section Box Solution/4b right Article No. per pack/unit	XW Section Article No. per pack/unit	
800	200	IP31	**XTSZDCKV3L-H1625W195** 174062 186590*	**XTSZDCKV3R-H1625W195** 174063 186591*	**XTSZDCKV3R-H1625W220** 172733 186680*	
		IP42	**XTSZDCKV4L-H1625W195** 174064	**XTSZDCKV4R-H1625W195** 174029	**-**	
		IP55	**XTSZDCKC-H1625W195** 174061 186589*	**-**	**XTSZDCKC-H1625W220** 172731 186654*	
1000	400	IP31	**XTSZDCKV3L-H1625W395** 174031 186593*	**XTSZDCKV3R-H1625W395** 174032 186594*	**XTSZDCKV3R-H1625W420** 172734 186681*	
		IP42	**XTSZDCKV4L-H1625W395** 174033	**XTSZDCKV4R-H1625W395** 174034	**-**	
		IP55	**XTSZDCKC-H1625W395** 174030 186592*	**-**	**XTSZDCKC-H1625W420** 172732 186655*	

Note * Finish in special RAL colour

Powering Business Worldwide

Cable Connection Boxes

Module height	Partition dropper bar/ cable connection area incl. screws  VT70814 Article No. per pack/unit Pack = 1 Set	Stack/ expansion frame for cable connection box incl. screws  VT64914 Article No. per pack/unit Pack = 1 Set	Closing plates cable connection box  VT71514 Article No. per pack/unit Pack = 1 Set	Contents
50	**XTPFUUZ-H50** 174017	-	**XTPFCUV1-H50MW600** 174049	
100	**XTPFUUZ-H100** 174018	-	**XTPFCUV1-H100MW600** 174050	KT21 = 1 pc. KT29 = 2 pcs.
150	**XTPFUUZ-H150** 174019	**XTPFCUB-H150MW600** 174042	**XTPFCUV1-H150MW600** 174052	KT21 = 1 pc. KT29 = 2 pcs.
200	**XTPFUUZ-H200** 174020	**XTPFCUB-H200MW600** 174043	**XTPFCUV1-H200MW600** 174053	KT21 = 1 pc. KT29 = 4 pcs.
250	**XTPFUUZ-H250** 174021	**XTPFCUB-H250MW600** 174044	**XTPFCUV1-H250MW600** 174054	KT21 = 1 pc. KT29 = 6 pcs.
300	**XTPFUUZ-H300** 174022	**XTPFCUB-H300MW600** 174045	**XTPFCUV1-H300MW600** 174055	KT21 = 1 pc. KT29 = 8 pcs.
350	**XTPFUUZ-H350** 174023	-	-	
400	**XTPFUUZ-H400** 174024	**XTPFCUB-H400MW600** 174046	**XTPFCUV1-H400MW600** 174056	KT21 = 1 pc. KT29 = 12 pcs.
500	**XTPFUUZ-H500** 174025	**XTPFCUB-H500MW600** 174047	**XTPFCUV1-H500MW600** 174057	KT21 = 1 pc. KT42 = 8 pcs.
600	**XTPFUUZ-H600** 174026	**XTPFCUB-H600MW600** 174048	**XTPFCUV1-H600MW600** 174058	KT21 = 1 pc. KT42 = 10 pcs.
800	**XTPFUUZ-H800** 174027	-	-	
1000	**XTPFUUZ-H1000** 174028	-	-	
1200	**XTPFUUZ-H1200** 174041	-	-	

Dropper bar supports



VT72114



VT72614

Cu-cross-section (mm)	Bar support at top and bottom level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 Set	Bar support at medium level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 pc.
2x40/10	**XTDFSTB2X40X10/80** 174069	**XTDFBM2X40X10/80** 174073
2x60/10	**XTDFSTB2X60X10/80** 174071	**XTDFBM2X60X10/80** 174075

The number of dropper bar supports and the distance between them varies depending on the short-circuit strength of the dropper bars (see Technical Section).

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Accessories for Outgoing Section: xEnergy Main EBS Front Panels for FAZ



wa_vt54813



wa_vt70813

Width mm	H = 150 mm Article No. per pack/unit	H = 200 mm Article No. per pack/unit	H = 300 mm Article No. per pack/unit	H = 400 mm Article No. per pack/unit	
425	**XMMC0604C** 283979 122152*	**XMMC0804C** 283983 122154*	**XMMC1204C** 283987 122156*	**XMMC1604C** 283991 122158*	
600	**XMMC0606C** 283981 122153*	**XMMC0806C** 283985 122155*	**XMMC1206C** 283989 122157*	**XMMC1606C** 283993 122159*	
800	**XMMC0608C** 106718 122507*	**XMMC0808C** 106730 122509*	-	-	
1000	**XMMC0610C** 106719 122508*	**XMMC0810C** 106731 122510*	-	-	

Accessories for Outgoing Section: xEnergy Main EBS Front Panels empty



wa_vt67613



wa_vt33613



wa_vt67313

Width mm	H = 25mm Article No. per pack/unit	H = 50mm Article No. per pack/unit	H = 100mm Article No. per pack/unit	H = 150mm Article No. per pack/unit	H = 200mm Article No. per pack/unit	H = 250mm Article No. per pack/unit	H = 300mm Article No. per pack/unit	H = 400mm Article No. per pack/unit	H = 600mm Article No. per pack/unit	H = 800mm Article No. per pack/unit	ventilated H = 100mm Article No. per pack/unit
600	**XME0106C** 158619 158620*	**XME0206C** 283924 122122*	**XME0406C** 283930 122126*	**XME0606C** 283936 122131*	**XME0806C** 283942 122136*	**XME1006C** 144588 144590*	**XME1206C** 283947 122140*	**XME1606C** 283950 122142*	**XME2406C** 294924 122413*	**XME3206C** 294926 122415*	**XME0406CV** 283932 122128*

Note * Finish in special RAL colour

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Accessories for Outgoing Section: xEnergy Main EBS Front Panels for PKZ 0/4


wa_vt67813


wa_vt67913

Width mm	horizontal 3-pole H = 50 mm PKZ0 Article No. per pack/unit	horizontal 3-pole H = 100 mm PKZ4 Article No. per pack/unit
600	**XMP030206C** 284089 122213*	**XMP430406C** 284097 122215*

Accessories for Outgoing Section: xEnergy Main EBS Front Panels for NZM1


wa_vt66913


wa_vt67413


wa_vt67513

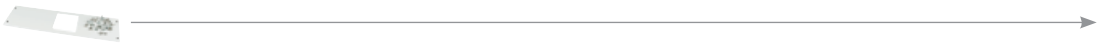

wa_vt67413

Width mm	UK 1xNZM1 horiz. 4-pole H = 150 mm fixed with 90/90 cut-out for measuring device Article No. per pack/unit	UK 1xNZM1 horiz. 4-pole H=150 mm fixed Article No. per pack/unit	1xNZM1 horizontal 3-pole H=100 mm fixed Article No. per pack/unit	1xNZM1 horizontal 4-pole H=150 mm fixed Article No. per pack/unit	1xNZM1 horizontal 4-pole H = 150 mm plug-in technology Article No. per pack/unit
600	**XMN140606C-1-UK** 110262 122599*	**XMN140606C-UK** 110259 122596*	**XMN130406C** 283997 122161*	**XMN140606C** 284005 122165*	**XMN130606C** 121797 122636*

Note * Finish in special RAL colour

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Accessories for Outgoing Section: xEnergy Main EBS Front Panels for NZM2



wa_vt54613

Width mm	UK 1xNZM2 horizontal 4-pole H = 200 mm with cut-out for measuring devices, fixed Article No. per pack/unit	UK 1xNZM2 horizontal 4-pole H = 200 mm fixed Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm fixed Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm plug-in technology Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm with motor lift (sticks 15mm out of front panel) Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm fixed Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm with motor lift (sticks 15mm out of front panel) Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm plug-in tech-nology Article No. per pack/unit
600	**XMN240606C-1-UK** 110263 122600*	**XMN240606C-UK** 110260 122597*	**XMN230606C** 284013 122169*	**XMN230606C** 284013 122169*	**XMN230606CR** 292907 122406*	**XMN240806C** 284026 122176*	**XMN240806CR** 125993 125994*	**XMN240806C** 284026 122176*

Accessories for Outgoing Section: xEnergy Main EBS Front Panels for NZM2 (continued)



wa_vt70713

Width mm	1xNZM2 horizontal 4-pole H = 200 mm cover for RCD module fixed Article No. per pack/unit
600	**XMN240806CF** 284659 122356*

Note * Finish in special RAL colour

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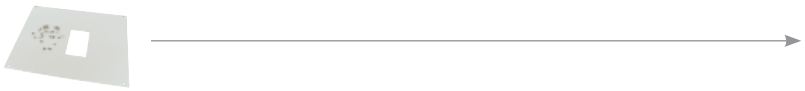
Accessories for Outgoing Section: xEnergy Main EBS Front Panels for NZM3



wa_vt67113

Width mm	1xNZM3 horizontal 3-pole H = 200 mm fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 300 mm fixed Article No. per pack/unit	
600	**XMN330806C** 284036 122181*	**XMN331006C** 284039 122183*	**XMN341006C** 284052 122191*	**XMN341206C** 284055 122193*	

Accessories for Outgoing Section: xEnergy Main EBS Front Panels for NZM3 (continued)



wa_vt73013

Width mm	1xNZM3, horizontal 3-pole, H = 200 mm with motor lift sticking 55 mm out of front panel, tilting the front panel is not possible, fixed Article No. per pack/unit	1xNZM3, horizontal 4-pole, H = 250 mm with motor lift sticking 55 mm out of front panel, tilting the front panel is not possible, fixed Article No. per pack/unit	1xNZM3 horizontal H = 250 mm plug-in technology Article No. per pack/unit	1xNZM3 horizontal H = 300 mm plug-in technology Article No. per pack/unit	
600	**XMN330806CR** 284037 122182*	**XMN341006CR** 284053 122192*	**XMN331006CP** 172200 172324*	**XMN341206CP** 172202 172325*	

Note * Finish in special RAL colour

Powering Business Worldwide

Accessories for Outgoing Section: Mounting Plates for PKZ



wa_vt68313



wa_vt68113

Width mm	horizontal 3-pole H = 50 mm Article No. per pack/unit	horizontal 3-pole H = 100 mm Article No. per pack/unit	
600	**XMP030206M** 284090	**XMP430406M** 284098	

Accessories for Outgoing Section: Mounting Plates for NZM1

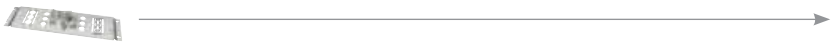


wa_vt68113

Width mm	1xNZM1 horizontal 3-pole H = 100 mm fixed Article No. per pack/unit	1xNZM1 horizontal 4-pole H = 150 mm fixed Article No. per pack/unit	1xNZM1 horizontal 3-pole H = 150 mm plug-in technology Article No. per pack/unit	
425	**XMN130404M** 283996	**XMN140604M** 284004	**XMN130604MP** 121798	
600	**XMN130406M** 283998	**XMN140606M** 284006	**XMN130606MP** 121796	

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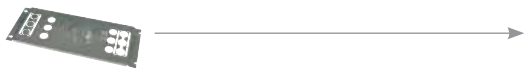
Accessories for Outgoing Section: Mounting Plates for NZM2



wa_vt54913

Width mm	1xNZM2 horizontal 3-pole H = 150 mm fixed Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm plug-in tech-nology Article No. per pack/unit	1xNZM2 horizontal 3-pole H = 150 mm with motor lift (sticking 15mm out of front panel) Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm fixed Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm plug-in tech-nology Article No. per pack/unit	1xNZM2 horizontal 4-pole H = 200 mm cover for RCD module fixed Article No. per pack/unit	
425	**XMN230604M** 284012	**-**	**-**	**XMN240804M** 284025	**-**	**-**	
600	**XMN230606M** 284014	**XMN230606MP** 284724	**XMN230606M** 284014	**XMN240806M** 284027	**XMN240806MP** 284726	**XMN240806MF** 134485	

Accessories for Outgoing Section: Mounting Plates for NZM3



wa_vt72913

Width mm	1xNZM3 horizontal 3-pole H = 200 mm fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 250 mm fixed Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 300 mm fixed Article No. per pack/unit	
600	**XMN330806M** 284038	**XMN331006M** 284041	**XMN341006M** 284054	**XMN341206M** 284057	

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Accessories for Outgoing Section: Mounting Plates for NZM3 (continued)



wa_vt72913

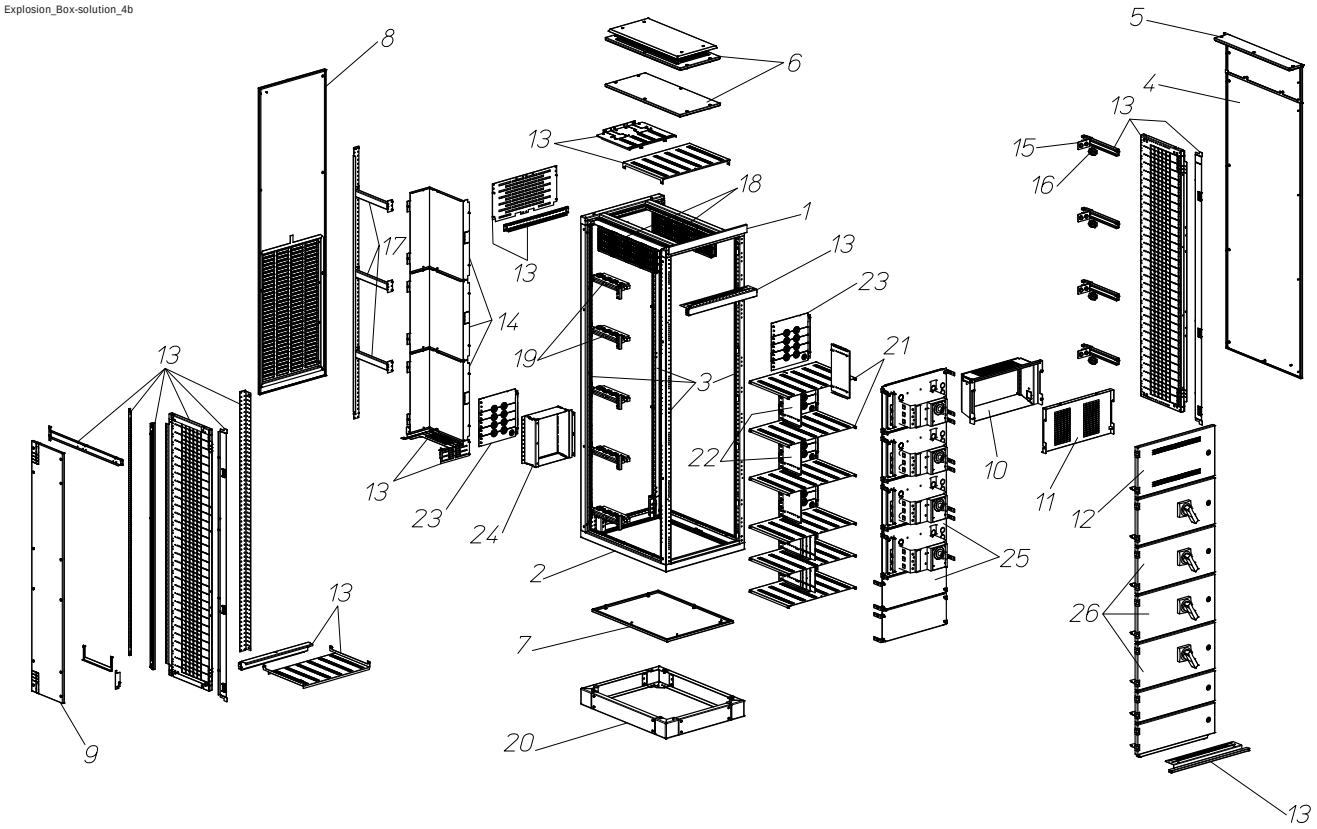
Width mm	1xNZM3, horizontal 3-pole, H = 200 mm with motor lift sticking 55 mm out of front panel, tilting the front panel is not possible, fixed Article No. per pack/unit	1xNZM3, horizontal 4-pole, H = 250 mm with motor lift sticking 55 mm out of front panel, tilting the panel is not possible, fixed Article No. per pack/unit	1xNZM3 horizontal 3-pole H = 250 mm plug-in technology Article No. per pack/unit	1xNZM3 horizontal 4-pole H = 300 mm plug-in technology Article No. per pack/unit	
600	**XMN330806M** 284038	**XMN341006M** 284054	**XMN331006MP** 172199	**XMN341206MP** 172201	

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Notes

Box Solution Motor Control Center in Fixed Technology

Explosion_Box-solution_4b



1 Frame - top
2 Frame - bottom
3 Vertical profiles
4 Side panel
5 Corner element for side panel
6 Top panel
7 Bottom panel
8 Rear panel
9 Separation panel
10 Wiring/control module
11 Partition main busbar
12 Door - control module
13 Fitting kit
14 Partition dropper bar
15 Bracket PE dropper bar
16 Insulators N conductor
17 Cable strain relief rails
18 Main busbar supports
19 Dropper bar supports
20 Plinth
21 Separation panel module/module
22 Separation panel dropper bar/cable box
23 Cable entry - cable box
24 Extension/stack frame cable box
25 Modules
26 Module doors

Features

- Widths: 600, 800, 1000mm
- Module width: 600mm
- Form 4 up to type 7
- 3, 4, 3P+N
- IP31, IP42, IP55
- Circuit breaker can be used with plug base
- Switchgear can be realised with remote operation
- Operation behind the door or with rotary door coupling handle
- Each module has its own module door
- Widths 800 and 1000mm come with a door to the cable connection area
- Dropper bar 1600-2000A
- Cable connection area at the back
- Each module has its own cable connection box
- Cable connection box can be expanded by an additional frame
- Modules are available in heights from 200 to 1250mm
- Max. height of installation/switchgear area = 1600mm

Notes

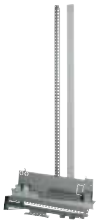
- Frame comes with a blue design strip (at the top)
- Doors include a locking system for a 3mm two-way key-bit
- For cable guidance from the top you need to install an additional cable guidance section at the rear of the system
- With cover panels consisting of several parts it may be necessary to ensure the required degree of protection through additional measures
- The max. height available for mounting plates is 1600mm
- The max. installation height available in the control module is 280mm
- For flanges, clip-down handles, eyebolts, 180° hinges, fixing brackets, Durostone posts, connection sets, pockets for circuit diagrams and other accessories, please refer to chapter “General Accessories“.

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XF Sections, Box Solution


wa_vt03814


VT68914


VT66814


VT37913


VT37813


VT39413

Section width mm	Cable connection area at the side	XF Fitting kit Form 4 for width 600mm Article No. per pack/unit	XF Extension kit in combination with XF XTMFS4-W600 fitting kit - additional cable connection area at the side Article No. per pack/unit	Set of dropper bar supports for N in XF section, 4 insulators, H = 40mm, incl. screws Article No. per pack/unit	Set of dropper bar supports for PE in XF section, 4 fixing brackets, incl. screws Article No. per pack/unit	Wiring and control module for the installation of different electrical components, for holding a cable duct Article No. per pack/unit
600	no	**XTMFS4-W600** 174000 186573*	**-**	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W600** 172677
800	yes	**XTMFS4-W600** 174000 186573*	**XTMFC4-800** 173999 186572*	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W800** 172678
1000	yes	**XTMFS4-W600** 174000 186573*	**XTMFC4-W1000** 173998 186571*	**XTDWSVN1** 172663	**XTDWSVPE1** 174076	**XTPWBAVC-H325W1000** 172679

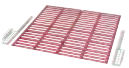
Note * Finish in special RAL colour



VT36613



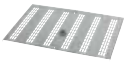
VT72614



VT69914



VT69014



VT70914



VT36313



VT36113

Cover in front of main busbars instead of a control module incl. screws Article No. per pack/unit	Dropper bar support Article No. per pack/unit	Partition dropper bars Article No. per pack/unit	Set of cable strain relief rails Article No. per pack/unit	Partition switchgear area / switch-gear area Article No. per pack/unit	Door IP31 for control module, left and right, ventilated, H = 325mm incl. hinges, 3mm two-way key-bit lock and two-way key Article No. per pack/unit	Door IP55 for control module, left and right, closed H = 325mm incl. hinges, 3mm two-way key-bit Article No. per pack/unit
XTPWBAVP-H325W600 172687	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W600** 172707 186297*	**XTPWBAVP-H325W600** 172687
XTPWBAVP-H325W600 172688	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W800** 172708 186298*	**XTPWBAVP-H325W800** 172688
XTPWBAVP-H325W600 172689	see table below	**XTPFDCZ1** 174003	**XTMFAR1** 174002	**XTPFUUH1-MW600** 174016	**XTSZDSQV3-H325W1000** 172706 186296*	**XTPWBAVP-H325W1000** 172689

Note * Finish in special RAL colour

Powering Business Worldwide



VT66414



VT66514



vt120014



vt119914



VT66614



VT22413

Door to cable con. a. IP31, left, ventilated, 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a., IP31, right, ventilated 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP42, left, ventilated, 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP42, right, ventilat., 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Door to cable con. a. IP55, right, closed, 3mm two-way key-bit lock and two-way key incl. screws Article No. per pack/unit	Separation panel section/section incl. screws Article No. per pack/unit
XTSZDSKV3L-H1625W592 174036 186596*	**XTSZDSKV3R-H1625W592** 174037 186597*	**XTSZDSKV4L-H1625W592** 174038 186598*	**XTSZDSKV4R-H1625W592** 174039 186599*	**XTSZDSKC-H1625W592** 174035 186595*	**XTPZSSZ1** 172698
XTSZDCKV3L-H1625W195 174062 186590*	**XTSZDCKV3R-H1625W195** 174063 186591*	**XTSZDCKV4L-H1625W195** 174064	**XTSZDCKV4L-H1625W195** 174033	**XTSZDCKC-H1625W195** 174061 186589*	**XTPZSSZ1** 172698
XTSZDCKV3L-H1625W395 174031 186593*	**XTSZDCKV3R-H1625W395** 174032 186594*	**XTSZDCKV4R-H1625W395** 174029	**XTSZDCKV4R-H1625W395** 174034	**XTSZDCKC-H1625W395** 174030 186592*	**XTPZSSZ1** 172698

Note * Finish in special RAL colour

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Components XF Box Solution

Doors to Cable Connection Area



VT66014



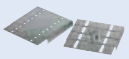
VT65914

Section width mm	Cable connect. area width mm	Degree of pro-tection	XF Section Box Solution/4b left or right, for doors without lighting it can be used on both sides Article No. per pack/unit	XF Section Box Solution/4b right Article No. per pack/unit	
800	200	IP31	**XTSZDCKV3L-H1625W195** 174062 186590*	**XTSZDCKV3R-H1625W195** 174063 186591*	
		IP42	**XTSZDCKV4L-H1625W195** 174064	**XTSZDCKV4R-H1625W195** 174029	
		IP55	**XTSZDCKC-H1625W195** 174061 186589*	**-**	
1000	400	IP31	**XTSZDCKV3L-H1625W395** 174031 186593*	**XTSZDCKV3R-H1625W395** 174032 186594*	
		IP42	**XTSZDCKV4L-H1625W395** 174033	**XTSZDCKV4R-H1625W395** 174034	
		IP55	**XTSZDCKC-H1625W395** 174030 186592*	**-**	

Note * Finish in special RAL colour

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Cable Connection Boxes

Module height	Partition dropper bar/ cable connection area incl. screws  VT70814 Article No. per pack/unit Pack = 1 Set	Stack/ expansion frame for cable connection box incl. screws  VT64914 Article No. per pack/unit Pack = 1 Set	Closing plates cable connection box  VT71514 Article No. per pack/unit Pack = 1 Set	Contents
50	**XTPFUUZ-H50** 174017	-	**XTPFCUV1-H50MW600** 174049	
100	**XTPFUUZ-H100** 174018	-	**XTPFCUV1-H100MW600** 174050	KT21 = 1 pc. KT29 = 2 pcs.
150	**XTPFUUZ-H150** 174019	**XTPFCUB-H150MW600** 174042	**XTPFCUV1-H150MW600** 174052	KT21 = 1 pc. KT29 = 2 pcs.
200	**XTPFUUZ-H200** 174020	**XTPFCUB-H200MW600** 174043	**XTPFCUV1-H200MW600** 174053	KT21 = 1 pc. KT29 = 4 pcs.
250	**XTPFUUZ-H250** 174021	**XTPFCUB-H250MW600** 174044	**XTPFCUV1-H250MW600** 174054	KT21 = 1 pc. KT29 = 6 pcs.
300	**XTPFUUZ-H300** 174022	**XTPFCUB-H300MW600** 174045	**XTPFCUV1-H300MW600** 174055	KT21 = 1 pc. KT29 = 8 pcs.
350	**XTPFUUZ-H350** 174023	-	-	
400	**XTPFUUZ-H400** 174024	**XTPFCUB-H400MW600** 174046	**XTPFCUV1-H400MW600** 174056	KT21 = 1 pc. KT29 = 12 pcs.
500	**XTPFUUZ-H500** 174025	**XTPFCUB-H500MW600** 174047	**XTPFCUV1-H500MW600** 174057	KT21 = 1 pc. KT42 = 8 pcs.
600	**XTPFUUZ-H600** 174026	**XTPFCUB-H600MW600** 174048	**XTPFCUV1-H600MW600** 174058	KT21 = 1 pc. KT42 = 10 pcs.
800	**XTPFUUZ-H800** 174027	-	-	
1000	**XTPFUUZ-H1000** 174028	-	-	
1200	**XTPFUUZ-H1200** 174041	-	-	

Dropper bar supports



VT72114



VT72614

Cu-cross-section (mm)	Bar support at top and bottom level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 Set	Bar support at medium level incl. fixing bracket and screws Article No. per pack/unit Pack = 1 pc.
2x40/10	**XTDFSTB2X40X10/80** 174069	**XTDFBM2X40X10/80** 174073
2x60/10	**XTDFSTB2X60X10/80** 174071	**XTDFBM2X60X10/80** 174075

The number of dropper bar supports and the distance between them varies depending on the short-circuit strength of the dropper bars (see Technical Section).

EATON Powering Business Worldwide

General Accessories: Mounting Plates undrilled

Incl. fixing material

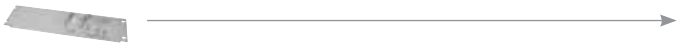


wa_vt33513

Width mm	H = 150 mm Article No. per pack/unit Pack=1 Set	H = 200 mm Article No. per pack/unit Pack=1 Set	H = 250 mm Article No. per pack/unit Pack=1 Set	H = 300 mm Article No. per pack/unit Pack=1 Set	H = 350 mm Article No. per pack/unit Pack=1 Set	H = 400 mm Article No. per pack/unit Pack=1 Set	H = 500 mm Article No. per pack/unit Pack=1 Set
600	**XME0606M** 284728	**XME0806M** 283945	**XME1006M** 144586	**XME1206M** 285686	**XME1406M** 171724	**XME1606M** 283951	**XME2006M** 171725

General Accessories: Mounting Plates undrilled (continued)

Incl. fixing material

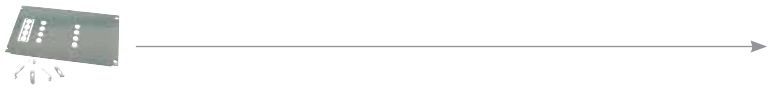


wa_vt33513

Width mm	H = 600 mm Article No. per pack/unit Pack=1 Set	H = 800 mm Article No. per pack/unit Pack=1 Set	H = 950 mm Article No. per pack/unit Pack=1 Set	H = 1000 mm Article No. per pack/unit Pack=1 Set	H = 1200 mm Article No. per pack/unit Pack=1 Set
600	**XME2406M** 285687	**XME3206M** 126010	**XME3806M** 171660	**XME4006M** 171726	**XME4806M** 171727

Powering Business Worldwide

Accessories for Outgoing Section: Mounting Plates for Box Solution



VT00909

Width mm	NZM1 3+4-pole H = 200 mm horizontal Article No. per pack/unit	NZM2 3-pole H = 200 mm horizontal Article No. per pack/unit	NZM2 4-pole H = 300 mm fixed/withdrawable, horizontal Article No. per pack/unit	NZM3 3+4-pole H = 300 mm fixed and plug-in horizontal Article No. per pack/unit	NZM3 3+4-pole H = 500 mm withdrawable horizontal Article No. per pack/unit	
425	**XMN130804M-BS** 125973	**XMN230804M-BS** 125974	**XMN241204M-BS** 125975	**-**	**-**	
600	**XMN130806M-BS** 125977	**XMN230806M-BS** 125978	**XMN241206M-BS** 125979	**XMN341206M-F-BS** 125980	**XMN342006M-W-BS** 125981	

Accessories for Outgoing Section: Snap-on cover without cut-out for box solution



VT00709

Width mm	H = 150 mm Article No. per pack/unit	H = 250 mm Article No. per pack/unit	
425	**XMC0604-BS** 125983 125987*	**XMC1004-BS** 125984 125988*	
600	**XMC0606-BS** 125985 125989*	**XMC1006-BS** 125986 125990*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

Doors for Box Solution - compatible with xEnergy Light

Incl. hinge material. Standard lock = 3 mm two-way key-bit



wa_vt63113

Height mm	Doors to switch gear area width 600 mm suitable for left and right side up to IP55 Article No. per pack/unit Pack = 1 pc.	
	Doors for Box Solution	
200	**XSDBSC0206** 167537 167543*	
250	**XSDBSC02506** 171680 171707*	
300	**XSDBSC0306** 167538 167544*	
350	**XSDBSC03506** 167539 167545*	
400	**XSDBSC0406** 167540 167546*	
500	**XSDBSC0506** 167541 167547*	
600	**XSDBSC0606** 167542 167548*	
800	**XSDBSC0806** 171681 171708*	
975	**XSDBSC097506** 171682 171709*	
1000	**XSDBSC1006** 171683 171710*	
1200	**XSDBSC1206** 171684 171711*	

Note * Finish in special RAL colour

EATON Powering Business Worldwide

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Main Busbar - Top

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EATON
Powering Business Worldwide

Technical Data

Material:		
Base material		Stainless steel 2mm
Screws		Stainless steel
Copper to be used		30x10
Standards/Regulations		IEC 61439-1/2, IEC-TR61641, DEKRA
Internal separation		Form 1 to 4 / up to type 7
Ambient temperature	°C	-5 to +50
Cu to be used according to standard		EN 13601-CU-ETP-R250-SH
Rel. air humidity	%	50 at 40°C
Protective measures		Protection class I, connection of earth conductor
Degree of protection		IP31, IP42, IP55 acc. to IEC/EN 60529
Rated insulation voltage U_i	V	1000
Rated operational voltage U_e	V	690
Insulation coordination		III/3
Insulation voltage U_{imp}	kV	up to 12
Overvoltage category		IV
Degree of pollution		3
Rated frequency	Hz	40-60
Rated current of busbars I_e	A	7966
Rated short-time withstand current of busbars I_{CW}	kA	up to 105 (1s)
Rated short-time withstand current of busbars I_{CW}	kA	up to 66 (3s)
Rated peak withstand current of busbars I_{pk}	kA	220
Center-to-center distance between phases	mm	132.5
Sheet thickness	mm	Door, frame = 2, rear, side and cover panels = 1.5
Metal surfaces		Electrogalvanized, powder-coated
Colour		RAL 7035 light-grey, structured
Lock		Rod lock with 2 or 4-point lock and activation pin, 3 mm two-way key-bit
Pre-requisites for set-up		Indoor set-up according to IEC/EN 61439
Dimensions	mm	Width: 300, 425, 600, 800, 1000, 1100, 1200, 1350 Height: 2000, 2200, 2400 Depth: 800
Cabinet plinth	mm	100 or 200

Powering Business Worldwide

Type Code (continued on the following pages)

XT . . . . . .

A General Accesssories	**A** Small Accessories	**B** Brackets	**1** Version 1 L-shape for XP		
			2 Version 2 Copper carrier for connection System (3 Rails)		
			3 Version 3 Copper carrier for connection System (1 Rail)		
			4 Version 4 Bracket for Busbar Support fixation		
	N Standard parts (Norm)	**S** Screw	**-DIN939-** Stud screw	**M10X100** Size	
				M10X80 Size	
			-DIN558- Hexagon Head Screw	**M10X85** Size	
				M12X180 Size	
				M12X170 Size	
				M10X210 Size	
			-DIN603- Hexagon Head Screw	**M10X60** Size	
				M10X70 Size	
				M12X60 Size	
				M12X90 Size	
		W Washer	-**DIN6340**- Extra Strong Washer	**M10** Size	
	P Plinth	**C** Cable Access			
B Mainbusbar	**G** General Purpose	**B** Busbar Support	**F** Front Support	**PE** Earth conductor	**1** Version 1
			V Vertical Busbar Arrangement	**PE** Earth conductor	**1** Version 1
					2 Version 2
			Z Busbar Arrangement in Z-Axis	**PE** Earth conductor	**1** Version 1
	Z Unspecified	**B** Busbar Support	**L** Left	**12X30X10** 3 Rows (12x30x10)	**/3** 3 Poles
					/4 4 Poles
				4X30X10 1 Row (4x30x10	**/3** 3 Poles
					/4 4 Poles
				8X30X10 2 Rows (8x30x10)	**/3** 3 Poles
					/4 4 Poles
			M Middle	**12X30X10** 3 Rows (12x30x10)	**/3** 3 Poles
					/4 4 Poles
				4X30X10 1 Row (4x30x10	**/3** 3 Poles
					/4 4 Poles
				8X30X10 2 Rows (8x30x10)	**/3** 3 Poles
					/4 4 Poles
			R Right	**12X30X10** 3 Rows (12x30x10)	**/3** 3 Poles
					/4 4 Poles
				4X30X10 1 Row (4x30x10	**/3** 3 Poles
					/4 4 Poles
				8X30X10 2 Rows (8x30x10)	**/3** 3 Poles
					/4 4 Poles
D Dropperbusbar	**W** Withdrawable Section	**S** Set	**V** Vertical Busbar Arrangement	**2X40X10** 800mm² rated current	**/35** Short circuit rating 35kA
					/65 Short circuit rating 65kA
					/80 Short circuit rating 80kA
				2X60X10 1200mm² rated current	**/35** Short circuit rating 35kA
					/65 Short circuit rating 65kA
					/80 Short circuit rating 80kA
				N Neutral conductor for rear connection area	**1** Version 1
				PE Earth conductor for rear connection area	**1** Version 1
	F Fixed Section	**B** Busbar Support	**M** Top and Bottom Support	**2X40X10** 800mm² rated current	**/65** Short circuit rating 65kA
					/80 Short circuit rating 80kA
				2X60X10 1200mm² rated current	**/65** Short circuit rating 65kA
					/80 Short circuit rating 80kA
		S Set	**V** Vertical Busbar Arrangement	**PE** Earth conductor for rear connection area	**1** Version 1
			TB Top and Bottom Support	**2X40X10** 800mm² rated current	**/65** Short circuit rating 65kA
					/80 Short circuit rating 80kA
				2X60X10 1200mm² rated current	**/65** Short circuit rating 65kA
					/80 Short circuit rating 80kA

Powering Business Worldwide

Type Code (continued)

XT . . . . . .

M Mounting Kit	**G** General Purpose	**T** Transition Section	**-MB** Middle Base **-BB** Bottom Base			
	P Power	**IX16** IZMX16	**F** Fixed	**C** Cover (Plugged) **D** ACB Door **M** Mounting Kit		
			W Withdrawable	**C** Cover (Plugged) **D** ACB Door **M** Mounting Kit		
		IX40 IZMX40	**F** Fixed	**C** Cover (Plugged) **D** ACB Door **M** Mounting Kit		
			W Withdrawable	**C** Cover (Plugged) **D** ACB Door **M** Mounting Kit		
	W Withdrawable	**C** Additional Mounting Kit for 1000 mm section - connection area Additional Mounting Kit for 800 mm section - connection area				
		S XW Section Mounting Kitfor a 600mm section				
	F Fixed	**A** Accessories	**R** Cable Anchoring Rail Set	**1** Version 1		
		C Additional Mounting Kit for 800 mm section - connection area	**4** Form 4			
		F Front Cover Frame				
		S XF Section Mounting Kitfor a 600mm section	**2** Form 2 **4** Form 4			
P Partition	**G** General Purpose	**V** Orientation Vertical	**PC** Plastic Plate			
	P Power	**C** Cable Room	**A** Auxilliary Device Area	**V** Orientation Vertical	**C** Aux compartment	
		IX16 IZMX16	**B** Busbar Area	**H** Orientation Horizontal		
				V Orientation Vertical	**3PN** 3P + N	
		IX40 IZMX40	**B** Busbar Area	**H** Orientation Horizontal		
				V Orientation Vertical	**3PN** 3P + N	
		S Section	**S** Section	**Z** Orientation into Z-Axis - (Z)		
		V Orientation Vertical	**PC** Plastic Plate			
	W Withdrawable	**A** Auxilliary Device Area	**E** Any other area (Environment)	**Z** Orientation into Z-Axis - (Z)	**D** Cable Way/cable Duct	
		B Busbar Area	**A** Auxilliary Device Area	**V** Orientation Vertical	**C** Aux compartment **P** Plate	
		C Cable Room	**U** Unit Area	**A** Accessory	**1** Version 1 Main Outgoing Contact **2** Version 2 Auxilliary Contact	
				B Box **V** Orientation Vertical		
		D Dropper Busbar Area	**U** Unit Area	**G** Galvanized Steel	**35** 35kA Version **65** 65kA Version	
				S Stainless Steel	**35** 35kA Version **80** 80kA Version	
	Z Unspecified	**A** Auxilliary Device Area	**E** Any other area (Environment)	**H** Orientation Horizontal	**D** Cable Way/cable Duct	**2** Version 2; Closed Pipe **3** Version 3; Closed Pipe; PE in Front
		B Busbar Area	**A** Auxilliary Device Area	**V** Orientation Vertical	**C** Aux compartment **P** Plate	
			E Any other area (Environment)	**H** Orientation Horizontal	**1** Version 1 below the lower Bus-bar (for Standard Baseframe)	
				Z Orientation into Z-Axis - (Z)	**1** Version 1 for Stacked ACBs middle Support	
			M Mounting Area	**H** Orientation Horizontal	**1** Version 1 for BBB on TOP	
		S Section	**S** Section	**Z** Orientation into Z-Axis - (Z)	**1** Version 1 for BBB on TOP	
		U Unit Area	**T** Thermal Protection	**H** Orientation Horizontal	**1** Version 1 (under IZMX40)	
	F Fixed	**C** Cable Room	**U** Unit Area	**B** Box		
				V Orientation Vertical	**1** Version 1 **2** Version 2	
		D Dropper Busbar Area	**C** Cable Room	**Z** Orientation into Z-Axis - (Z)	**1** Version 1	
		U Unit Area	**U** Unit Area	**H** Orientation Horizontal **Z** Orientation into Z-Axis - (Z)	**1** Version 1	

Powering Business Worldwide

Type Code (continued)

XT . . . . . .

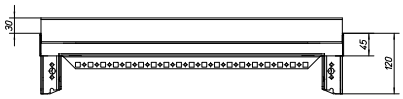
S Structure	**G** General Purpose	**F** Frame	**B** Base	**A** Open Frame (Busbar Access)		
				S Standard		
			H Height Profile	**1** Version 1: Transition Section		
	P Power	**F** Frame	**H** Height Profile			
	W Withdrawable	**E** Brand (Eaton)	**VDR** Vertical Design Rail (Eaton Brand)			
		F Filler	**C** Closed			
			V3 Ventilated IP31			
	Z Unspecified	**C** Cover	**S** Section Wide Cover			
		D Door	**C** Connection Area Door	**K** Key plate/roller lever	**C** Closed	
					V3 IP31	**L** Left
						R Right
					V4 IP42	**L** Left
						R Right
			M Mounting Area	**K** Key plate/roller lever	**C** Closed	
					V3 IP31	**L** Left
						R Right
					V4 IP42	**L** Left
						R Right
			PA Partition Accessory	**2** 2 Collumns		
				3 3 Collumns		
				4 4 Collumns		
				5 5 Collumns		
			S Section Door	**K** Key plate/roller lever	**V4** IP42	**L** Left
						R Right
						S Split Door
				Q Quater lock	**C** IP55	
					V3 IP31	**L** Left
						R Right
					V4 IP42	**L** Left
						R Right
		F Frame	**B** Base	**A** Open Frame (Busbar Access)		
				S Standard		
			H Height Profile			
		P Plates	**T** Top plate	**A** Open Frame (Busbar Access)	**C** Closed	
					PA Partition Accessory	
					V Ventilated	
				C Connection Roof	**C** Closed	
					PA Partition Accessory	
					V Ventilated	
		R Rearwall	**C** Closed			
			PA Partition Accessory	**2** 2 Collumns		
				3 3 Collumns		
				4 4 Collumns		
				5 5 Collumns		
				1 1 Collumn		
			V3 Ventilated IP31			
			V4 Ventilated IP42			
		S Sidewall	**A** Open Frame (Busbar Access)	**2** 2nd part - Corner Piece		
	F Fixed	**F** Filler	**1** Version 1 Standard BoxSolution	**C** Closed		
U Units	**W** Withdrawable	**O** Outgoing Parts	**CC** Customer Connection	**40X10** Cross Section 40x10		

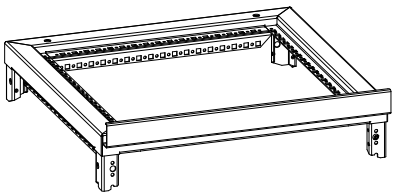
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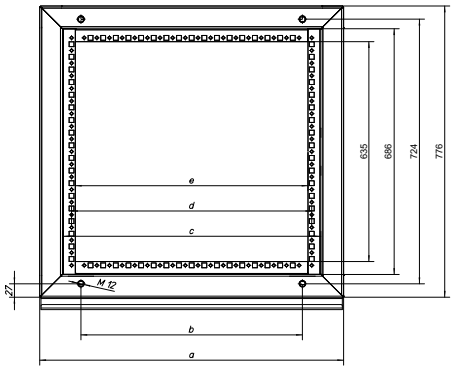
Frame Structure

Dimensions of the top/bottom elements (standard version)

All dimensions are identical for both applications (top and bottom).
The only difference between the top and bottom elements is that the top elements come with 10mm thick welded flat-steel sheets to provide for better distribution of the forces when using the eyebolts for transportation purposes.



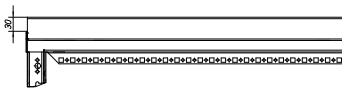


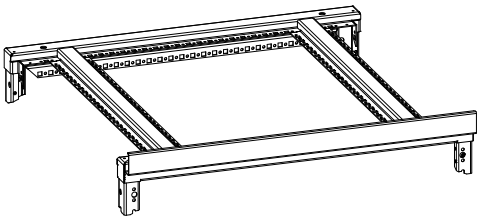


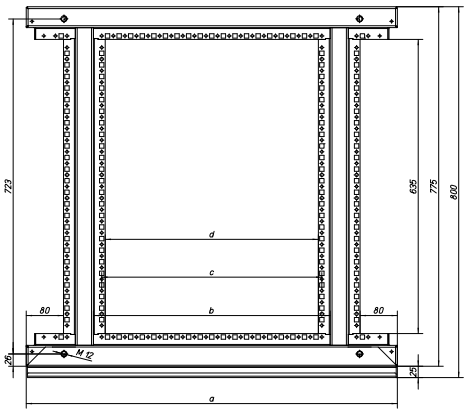
XSF_Katalog

	a	b	c	d	e
W300	300	138	211	175	160
W425	425	263	336	300	285
W600	600	438	511	475	460
W650	650	488	561	525	510
W800	800	638	711	675	660
W850	850	688	761	725	710
W1000	1000	838	911	875	860
W1100	1100	938	1011	975	960
W1200	1200	1038	1111	1075	1060
W1350	1350	1188	1261	1225	1210

Open Frame version







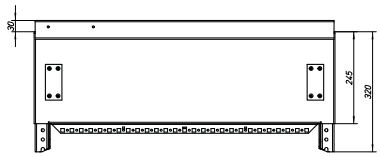
XTSZFBA_Katalog

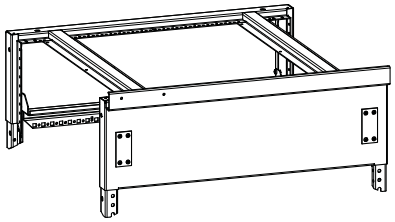
	a	b	c	d
W425	425	136	100	85
W600	600	311	275	260
W800	800	511	475	460
W1000	1000	711	675	660
W1100	1100	811	775	760
W1200	1200	911	875	860
W1350	1350	1061	1025	1010

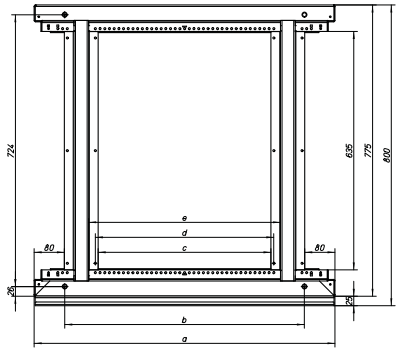
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Frame Structure

Dimensions of the frame structure/top (Open Frame High-Current Version)







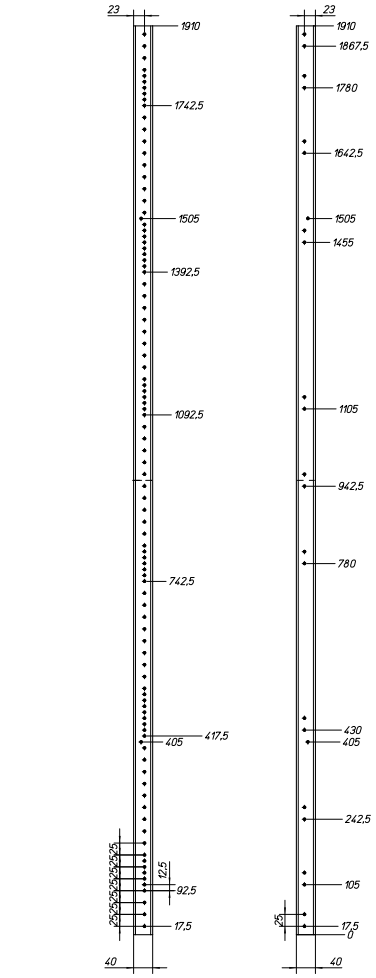
	a	b	c	d	e
W425	425	263	85	100	136
W600	600	438	260	275	311
W800	800	638	460	475	511
W1000	1000	838	660	675	711
W1100	1100	938	760	775	811
W1200	1200	1038	860	875	911
W1350	1350	1188	1010	1025	1061

CAT0000032

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Vertical Profile XTSPFH-H2000

An improvement of the vertical profiles now makes sure that all positions supposed to hold hinges come with pre-punched areas. The crucial advantage of this fact is that you only have to knock out the areas where you actually need a hole to fix the hinges. So it is no longer necessary to cover the holes you don't need with plastic pegs. Use an ordinary punching tool/pin punch (diameter no more than 4 mm) to knock out the required holes.

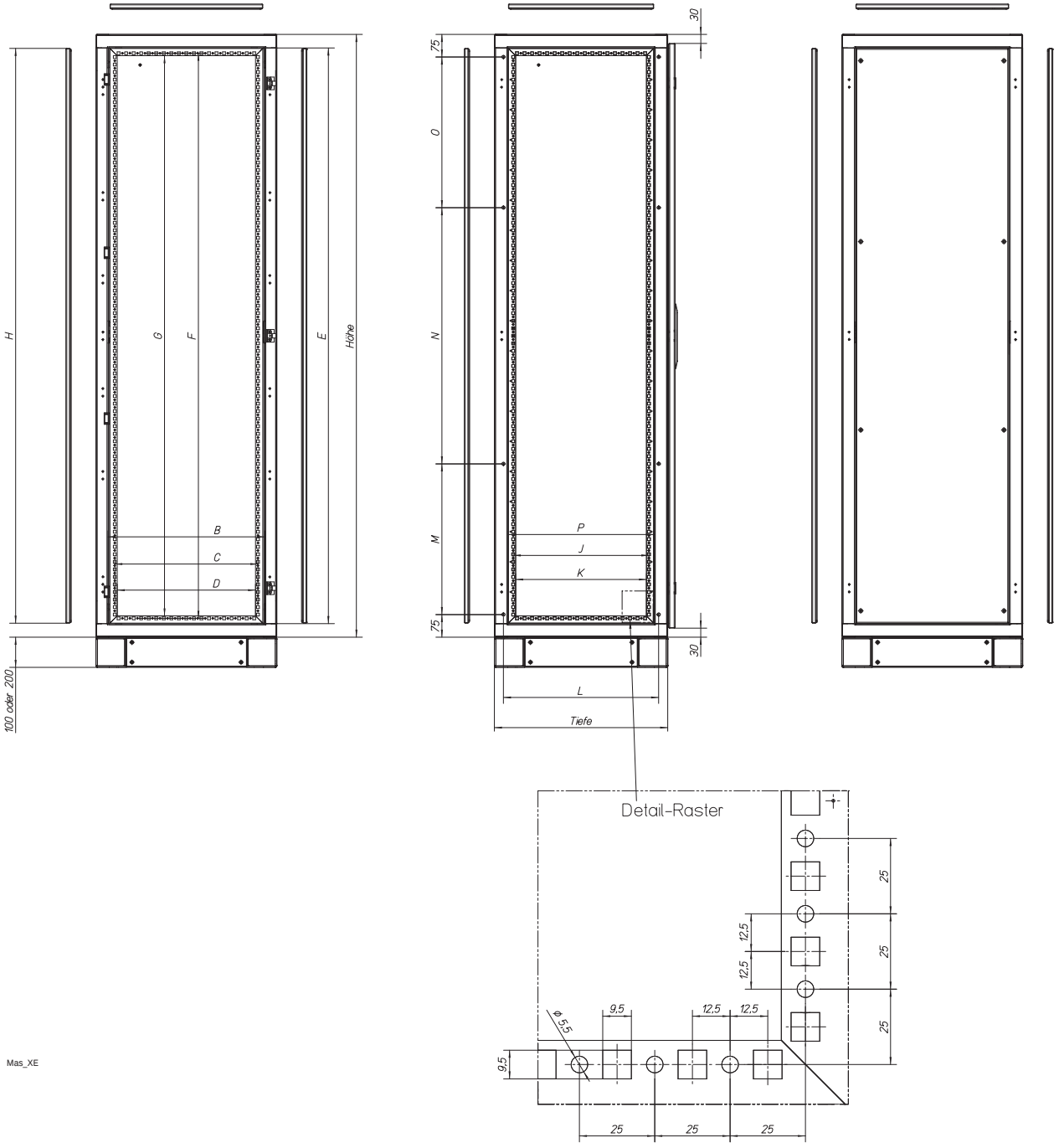


XTSPFH_H2000_Abm

The vertical profile on the left side shows all pre-punched areas needed for fixing the hinges. The vertical profile on the right side shows all pre-punched areas necessary for cabinets with doors to the cable connection area. If an outgoing section is installed in the mirror-inverted way, the vertical posts can be swapped. Spacing units on the vertical post are 12.5 and 25mm.

Dimensions

xEnergy Main Dimensions



Mas_XE

Width	A	B	C	D
425	263	345	300	284
600	438	520	475	459
800	638	720	675	659
850	688	770	725	709
1000	838	920	875	859
1100	938	1020	975	959
1200	1038	1120	1075	1059
1350	1188	1270	1225	1209

Height	E	F	G	H
2000	1910	1875	1859	1907

Depth [1]	Depth [2]	I	J	K	L	P
400	375	323	250	234	315	182
600	575	523	450	434	515	482
800	775	723	650	634	715	682

Spacing of the holes

Height	M	N	O
2000	500	850	500

[1] Depth according to ordered part

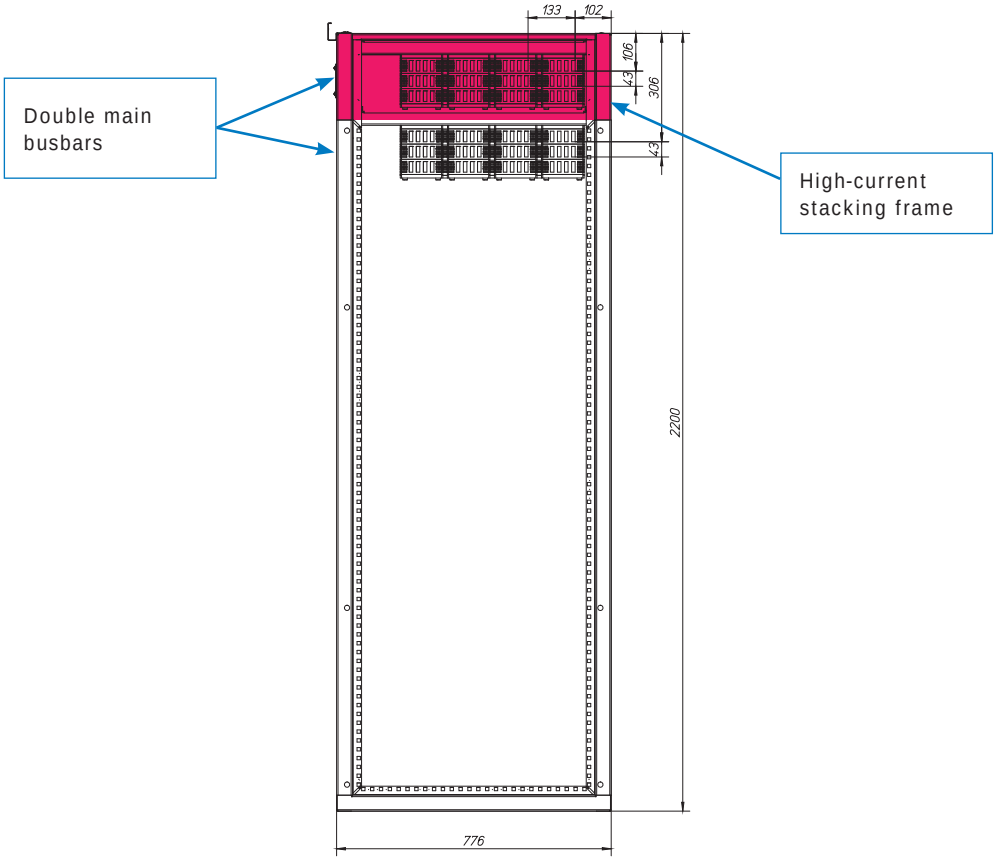
[2] Real depth

As of width 1000 we use two-wing doors.

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Functional Principle for High-Current Systems

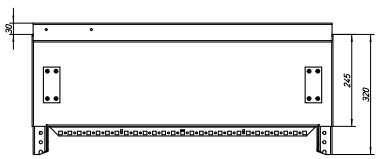
Safe guidance and distribution of rated currents close to 8000A require an expansion of the system by means of a second main busbar strand arranged in parallel. This second busbar strand has to be mounted in a specially designed high-current frame.

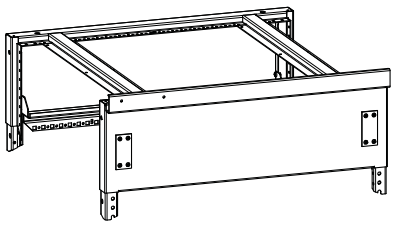


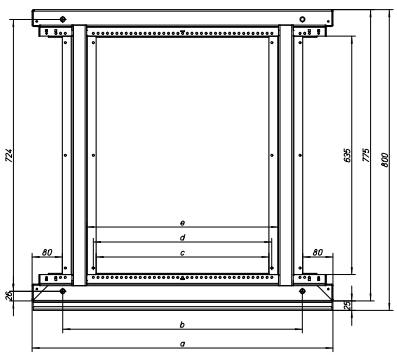
CAT0000029-Farbe

Stacking frame

To meet these requirements, we have developed a base frame in a special design which can be stacked instead of the standard frame. This frame provides enough space to install the second main busbar in parallel. Both main busbars are positioned exactly one on top of the other, with the lower main busbar remaining in its original position (standard BXT version).







CAT0000032

	a	b	c	d	e
W425	425	263	85	100	136
W600	600	438	260	275	311
W800	800	638	460	475	511
W1000	1000	838	660	675	711
W1100	1100	938	760	775	811
W1200	1200	1038	860	875	911
W1350	1350	1188	1010	1025	1061

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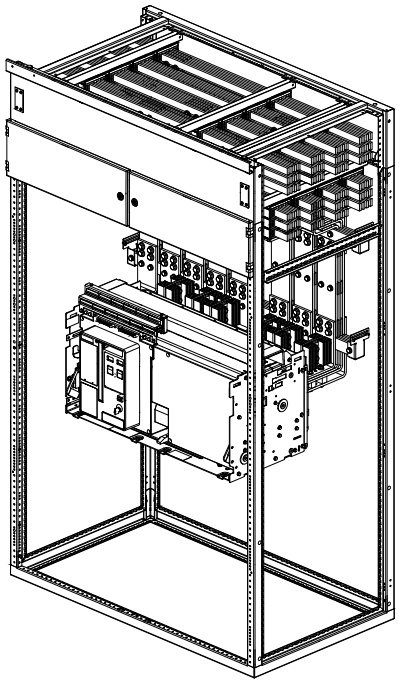
Functional Principle for High-Current Systems

Integration

This offers the advantage that all busbar connections to the main busbars remain unaffected. Therefore every solution/installation instruction available for standard BXT is also valid for the high-current solution. The only exception are high-current XP sections with IZM63 (rated currents higher than 4000A). There is a special solution, i.e. installation instruction, and the integration has to be done via both main busbar strands.

There are special installation instructions available for all high-current solutions using XP sections with IZM63.

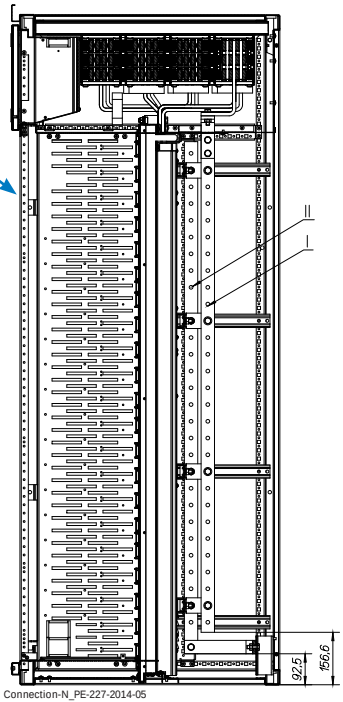
They specify all details on how to establish the contacts on the two busbar strands positioned in parallel.



IZM63_6300A_IOC-W-385-01-08-16

Example

For all other solutions available, as well as for the normal BXT application (up to 4000 A / standard up to 2000m above sea level), you can use the standard installation instructions.

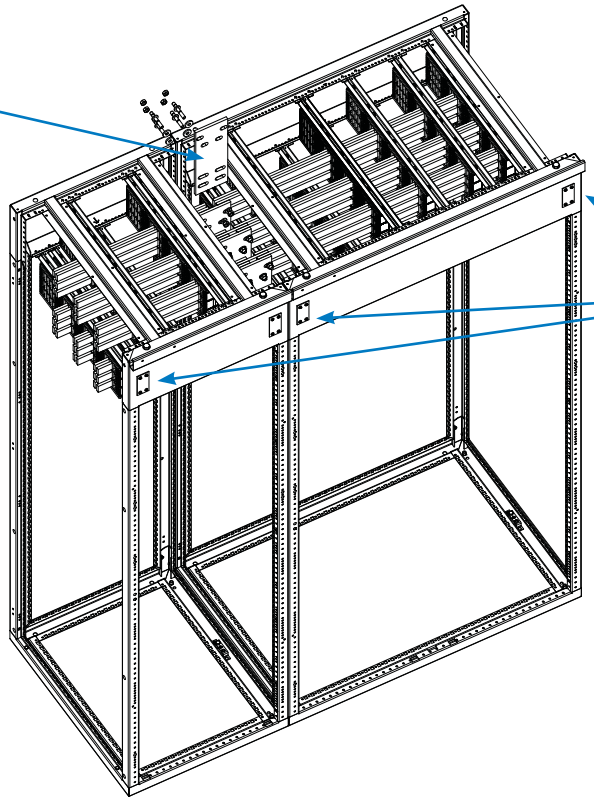


Connection-N_PE-227-2014-05

Transport Separation

The electrical transport separation is carried out in the same way as for the standard solution. The copper straps are designed in way to extend over both strands of the main busbar. Therefore the straps play another role at the same time. They also serve as current-balance bridges. Splitting up the copper straps into two separate straps is not permitted as this would counteract the current-balance function. The fixing screws of the straps can be tightened via the service openings in the frame. Once the installation has been finished, the service openings can be covered up with the cover plates included in the scope of delivery.

Transport strap



Access for service activities (transport separation)

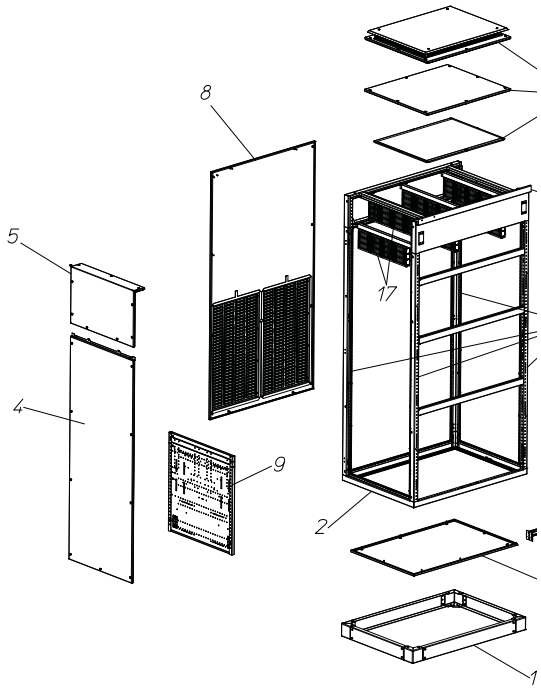
CAT0000031-2

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Functional Principle of High-Current Systems

Planking

The stacking frame is a closed unit featuring the same shape as the standard frame. Therefore you will not need any additional planking elements. All standard planking elements (top panels, rear panels, doors, side panels) can also be used for the high-current solution. Only the corner section of the side panel (Open Frame) needs to be changed. This is due to the increased height of the stacking frame and the need to run two main busbars.



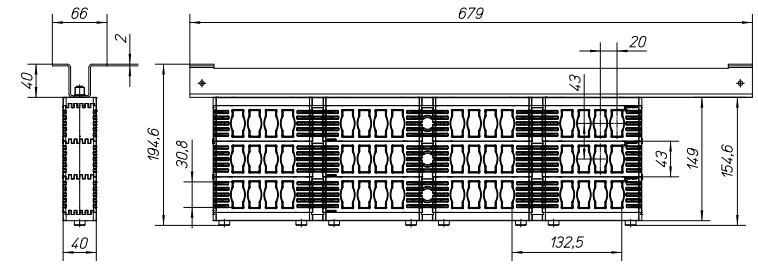
CAT0000033

Dimensions of the Main Busbar

Dimensions of the main busbar supports

Base material = stainless steel
Screws = stainless steel
Insulation material = fibre-glass reinforced plastic (PA66, 45% fibre-glass reinforced), flame-retardant, no halogens and no phosphor

Support universal



cat028

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Further information - Passive Arc Fault Protection with BXT

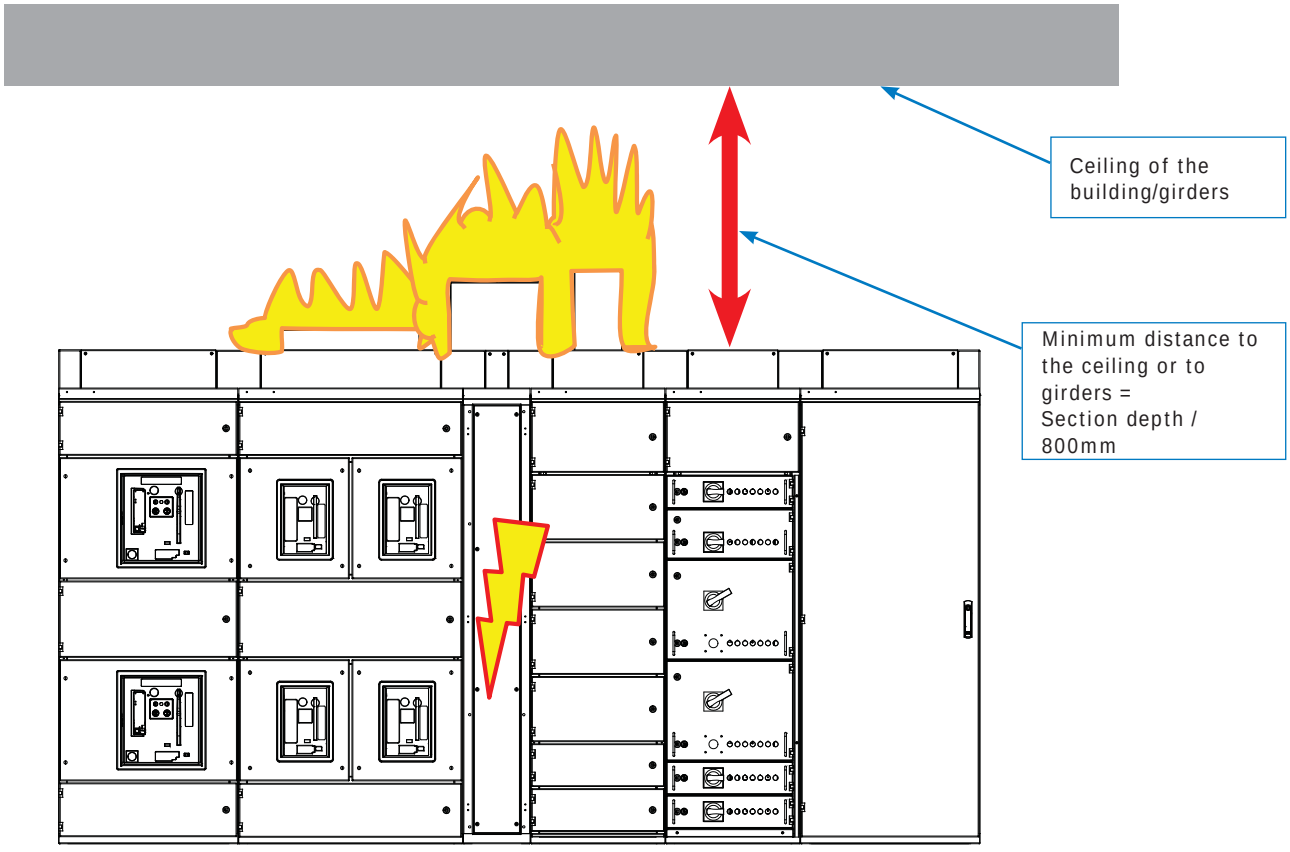
Tested acc. to IEC/TR61641 in combination with a BXT system (main busbar at the top)

Technical data

Rated voltage	U_e	400V	480V
Criterion		1-6	1-5
Rated insulation voltage	U_i	1000V	1000V
Rated frequency		50/60Hz	50/60Hz
Uninfluenced current allowed in arc fault conditions	I_{parc}	65kA	35kA
Allowed burning duration of an arc fault	t_{arc}	300ms	300ms
Degree of protection		IP30	IP30
Internal separation		Form 4	Form 4

Building-related pre-requisites:

The entire concept of protecting people is based on the idea of making the pressure due to hot gas developing in the cabinet during an arc fault escape through the top. This is why it is compulsory to have sufficient room height and/or space between the cabinet and the ceiling or other super
structures to ensure that the pressure relief covers can open completely. The minimum distance between the upper edge of the cabinet and the ceiling (or the deepest element of the building) is at least the depth of the cabinet. This is a pre-requisite for the gas to escape from the cabinet without hindrance.



ARC_BXT

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Further information - Passive Arc Fault Protection with BXT

In order to meet Employees' Safety in the Workplace requirements, criteria 1-5 must be complied with.

Criterion 1:

a) Ventilations:

Ventilation slots in doors, rear panels, front, floor and top panels are not allowed in order to prevent hot gas from escaping towards people. This is to make sure that hot gas can be guided towards the top panel. The increased pressure building up during an arc fault blows off the PVC screws in the arc fault cover and all the energy set free in the form of hot gas can escape through the top panel.

No ventilation possible



VT57914

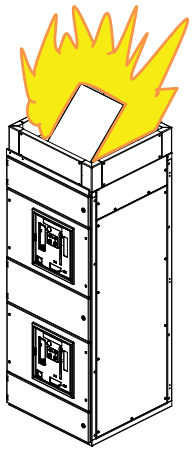
All panels must be without ventilation slots



VT57614

b) Arc fault cover:

The special cover plate is fixed with hinges at the front, and with plastic screws at the back. The increased pressure building up during an upcoming arc fault will tear off the screws and open the cover for the gas to escape. The hinges of the arc fault cover must always be fixed at the front of the cabinet in order not to guide the gas towards people who might be in front of the cabinet.



ARC_BXT

c) Properly secured doors - tailhooks:

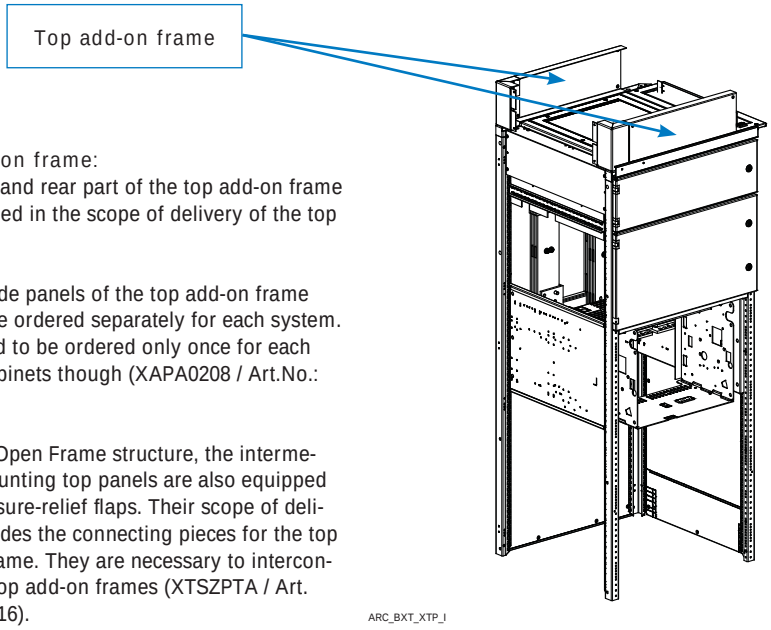
To make sure the doors can withstand the increased pressure during a short-cirucit, the plastic parts of the lock need to be replaced by metal parts. These metal parts for the locks are included in the scope of delivery of the top flaps. You will not need to order any additional items.

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Further information - Passive Arc Fault Protection with BXT

Criterion 2: No system elements that might open or be blown off

To make sure the relief flaps do not open more than 90° in case of a short-circuit (arc fault), a top add-on frame needs to be mounted on top of the structural frame. This will prevent the flaps from completely opening as they might hit and injure a person standing in front of the cabinets. There is no other equipment (such as measuring devices, displays, windows for thermographiy etc.) allowed that might be blown off in case of an arc fault.



ARC_BXT_XTP_I

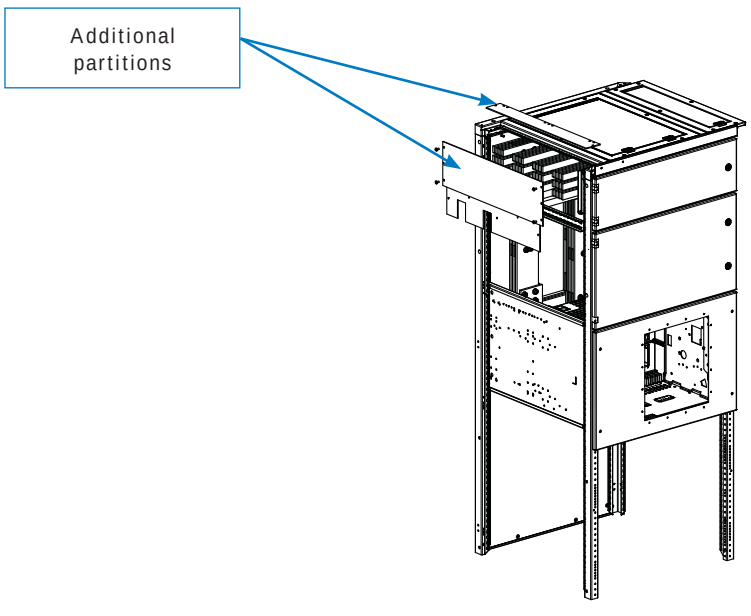
Top add-on frame:
The front and rear part of the top add-on frame are included in the scope of delivery of the top flaps.

But the side panels of the top add-on frame need to be ordered separately for each system. They need to be ordered only once for each row of cabinets though (XAPA0208 / Art.No.: 185118).

With the Open Frame structure, the intermediate- mounting top panels are also equipped with pressure-relief flaps. Their scope of delivery includes the connecting pieces for the top add-on frame. They are necessary to interconnect the top add-on frames (XTSZPTA / Art. No.: 185116).

Criterion 3: No holes in the casing due to the effect of an arc fault (burning holes)

To make sure that no gas can escape through the side panels in case of an arc fault, an additional insulating plate needs to be fixed (XTI-P). This plate will be screw-fixed to the frame at the height of the main busbars (each position - top, middle or bottom). In front of the side panel/corner part XTI-P / Art.No.: 185117 (beginning and end of the system).



ARC_BXT_XTP_I

Criterion 4: No catching fire of vertically positioned indicators

The indicators vertically positioned during the test must not catch fire due to escaping gas. Pre-requisite for this not to happen is that there are no ventilation slots or other openings in the panels or in the outer skin. Gaps or cracks must not open up during an upcoming arc fault. This is supported by our innovative locking system.

An additional function of the plinth at the top is also to guide the escaping hot gas towards the “top“. This also ensures that the indicators cannot catch fire and provides the best possible protection for people.

Criterion 5:

The protective conductor circuit for conductive parts of the envelope exposed to human contact is still functional.

Criterion 6:

The arc fault is limited to a defined area of the switchgear combination, and there is no new sparking possible towards the adjacent areas within the switchgear combination. There are no additional partitions or barriers necessary for that purpose. The specially shaped main busbar support plays the role of an additional partition. This is how we can make sure that an upcoming arc fault remains limited to the area between two main busbar supports.

Information on the scope of delivery:

Top panels XTSPTA....
– Top panel with a flap incl. all screws
– Metal replacement parts for locks
– Top add-on frame front and rear part, height = 200mm
– Incl. screws

End-piece of the top add-on frame:
– 4 pcs. of corner sections
– 2 pcs. of side panels
– Incl. screws

Arc fault partition:
– Insulation plate
– Incl. screws

Max. Current load and power loss (Pv) for main busbars
in a horizontal orientation of the main busbar / position = top/bottom

In	Copper bars/ Phase	Degree of protection	Admitted permanent current I depending on the ambient temperature and the degree of protection of the distribution sections			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
1000	1x30 (1000)	IP31 with ventilated top cover	1050	950	800	88	72	51	
		IP31 with closed cover	770	700	600	47	39	29	
		IP42 with ventilated top cover	1050	950	800	88	72	51	
		IP42 with closed top cover	770	700	600	47	39	29	
		IP55	770	700	600	47	39	29	
2000	2x30 (1250)	IP31 with ventilated top cover	2080	1850	1500	183	145	95	
		IP31 with closed top cover	1450	1350	1200	89	77	61	
		IP42 with ventilated top cover	2080	1850	1500	183	145	95	
		IP42 with closed top cover	1450	1350	1200	89	77	61	
		IP55	1450	1350	1200	89	77	61	
2500	3x30 (1600)	IP31 with ventilated top cover	2680	2450	2100	210	175	129	
		IP31 with closed top cover	2130	2000	1800	133	117	95	
		IP42 with ventilated top cover	2680	2450	2100	210	175	129	
		IP42 with closed top cover	2130	2000	1800	133	117	95	
		IP55	2130	2000	1800	133	117	95	
3000	6x30 (2500)	IP31 with ventilated top cover	3930	3600	3100	237	199	148	
		IP31 with closed top cover	2900	2700	2400	129	112	89	
		IP42 with ventilated top cover	3930	3600	3000	237	199	138	
		IP42 with closed top cover	2900	2700	2400	129	112	89	
		IP55	2900	2700	2400	129	112	89	
4000	12x30(4000)	IP31 with ventilated top cover	4870	4500	3800	226	193	138	
		IP31 with closed top cover	3260	3100	2800	101	92	75	
		IP42 with ventilated top cover	4770	4400	3700	217	184	130	
		IP42 with closed top cover	3260	3100	2800	101	92	75	
		IP55	3260	3100	2800	101	92	75	
6300	2x6x30/10	IP31 with ventilated top cover	7091	6300	5113	479	378	249	
		IP31 with closed top cover	5259	4848	4231	263	224	170	
		IP42 with ventilated top cover	7091	6300	5113	479	378	249	
		IP42 with closed top cover	5259	4848	4231	263	224	170	
		IP55	5259	4848	4231	263	224	170	
6900	2x9x30/10	IP31 with ventilated top cover	7767	6900	5600	383	302	199	
		IP31 with closed top cover	5577	5200	4634	198	172	136	
		IP42 with ventilated top cover	7767	6900	5600	383	302	199	
		IP42 with closed top cover	5577	5200	4634	198	172	136	
		IP55	5577	5200	4634	198	172	136	
7100	2x12x30/10	IP31 with ventilated top cover	7967	7100	5800	302	240	160	
		IP31 with closed top cover	5718	5351	4800	156	136	110	
		IP42 with ventilated top cover	7967	7100	5800	302	240	160	
		IP42 with closed top cover	5718	5351	4800	156	136	110	
		IP55	5718	5351	4800	156	136	110	

Max. Current Load and Power Loss — Rails vertical

Max. Current load and power loss (Pv) for main busbars
in a vertical orientation of the main busbar / position = vertical transition field

In	Copper bars/ Phase	Degree of protection	Admitted permanent current I depending on the ambient temperature and the degree of protection of the distribution sections			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
6300	2x6x30/10	IP31 with ventilated top cover	5966	5300	4301	339	268	176	
		IP31 with closed top cover	4286	3975	3508	175	150	117	
		IP42 with ventilated top cover	5966	5300	4301	339	268	176	
		IP42 with closed top cover	4286	3975	3508	175	150	117	
		IP55	4286	3975	3508	175	150	117	
6900	2x9x30/10	IP31 with ventilated top cover	7001	6220	5048	311	246	162	
		IP31 with closed top cover	5030	4665	4117	161	138	108	
		IP42 with ventilated top cover	7001	6220	5048	311	246	162	
		IP42 with closed top cover	5030	4665	4117	161	138	108	
		IP55	5030	4665	4117	161	138	108	
7100	2x12x30/10	IP31 with ventilated top cover	7204	6400	5194	247	195	128	
		IP31 with closed top cover	5175	4800	4237	128	110	85	
		IP42 with ventilated top cover	7204	6400	5194	247	195	128	
		IP42 with closed top cover	5175	4800	4237	128	110	85	
		IP55	5175	4800	4237	128	110	85	

Short-Circuit Strength

Short-circuit strength of the main busbars

In	Copper bars/ Phase	Rated short-time withstand current 1s I_{cw}	Max. center-to-center distance between busbar supports	Rated short-time withstand current 1s I_{cw} with additional screws as reinforcement (acc. to instr.)	Max. center-to-center distance between busbar supports	Rated short-time withstand current 3s I_{cw}	Max. center-to center-distance between busbar supports
A		kA	mm	kA	mm	kA	mm
1000	1x30 (1000)	50	350	-	-	-	-
2000	2x30 (1250)	80	350	-	-	50	350
2500	3x30 (1600)	105	350	-	-	66	350
3200	6x30 (2500)	80	425	80	585	66	425
3200	6x30 (2500)	90	350	105	350	66	425
4000	12x30 (4000)	80	425	80	585	66	425
4000	12x30 (4000)	90	350	105	350	66	425
6300	2x6x30/10	90	350	105	350	66	350
6900	2x9x30/10	90	350	105	350	66	350
7100	2x12x30/10	90	350	105	350	66	350

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	195	167	147	238	193	164
300	400	2000	281	230	186	302	269	212
300	600	2000	438	356	302	486	384	316
300	800	2000	550	511	384	559	506	407
300	1000	2000	668	587	504	682	591	547
425	300	2000	285	250	212	319	293	270
425	400	2000	360	321	277	413	359	317
425	500	2000	458	386	335	488	438	367
425	600	2000	524	468	384	541	505	427
425	800	2000	636	579	513	661	592	537
425	1000	2000	773	686	610	773	705	614
600	300	2000	389	356	331	486	432	389
600	400	2000	511	441	391	524	502	469
600	500	2000	558	559	465	591	557	528
600	600	2000	620	582	553	660	610	568
600	800	2000	787	707	648	794	748	669
600	1000	2000	887	845	751	901	847	781
650	300	2000	426	388	359	487	488	435
650	400	2000	518	489	429	552	529	508
650	600	2000	651	610	578	702	646	600
800	300	2000	513	511	463	559	542	528
800	400	2000	581	561	571	637	607	581
800	500	2000	664	631	605	735	686	644
800	600	2000	760	707	666	794	774	712
800	800	2000	888	858	792	915	873	837
800	1000	2000	1007	954	915	1042	973	916
850	300	2000	534	524	510	588	570	553
850	400	2000	607	586	571	673	640	611
850	600	2000	800	742	698	821	797	754
850	800	2000	913	882	832	946	902	863
850	1000	2000	1037	981	940	1079	1006	945
1000	300	2000	600	587	579	682	659	637
1000	400	2000	691	664	645	756	752	714
1000	500	2000	805	758	722	831	812	805
1000	600	2000	861	845	800	901	873	848
1000	800	2000	990	954	928	1042	989	944
1000	1000	2000	1130	1065	1018	1197	1110	1038
1100	300	2000	642	627	617	721	721	695
1100	400	2000	753	722	699	799	787	777
1100	600	2000	905	887	876	956	925	898
1100	800	2000	1043	1003	975	1110	1052	1001
1100	1000	2000	1196	1124	1071	1284	1186	1104
1200	300	2000	697	680	668	763	756	751
1200	400	2000	801	792	765	851	837	825
1200	500	2000	877	866	862	934	911	891
1200	600	2000	950	930	919	1015	980	950
1200	800	2000	1099	1054	1023	1184	1118	1062
1200	1000	2000	1266	1187	1127	1380	1268	1176
1350	300	2000	769	768	753	826	819	813
1350	400	2000	859	855	856	926	910	896
1350	600	2000	1020	997	983	1109	1069	1033
1350	800	2000	1187	1136	1099	1306	1228	1161
1350	1000	2000	1382	1288	1218	1543	1407	1296
425	800	2200	681	607	552	705	628	559
600	800	2200	793	742	666	809	768	699
650	800	2200	820	786	703	841	797	746
800	800	2200	913	875	837	951	898	853
850	800	2200	942	902	872	986	931	883
1000	800	2200	1032	984	949	1100	1034	977
1100	800	2200	1094	1041	1003	1183	1108	1043
1200	800	2200	1160	1101	1058	1274	1188	1115
1350	800	2200	1267	1197	1146	1428	1322	1234
425	800	2400	713	634	567	720	664	580
600	800	2400	810	772	693	832	783	739
650	800	2400	841	800	736	868	816	771
800	800	2400	941	893	856	990	926	871
850	800	2400	974	923	885	1032	963	905
1000	800	2400	1078	1017	972	1167	1083	1012
1100	800	2400	1151	1083	1032	1268	1171	1090
1200	800	2400	1229	1153	1096	1379	1267	1174
1350	800	2400	1358	1266	1198	1574	1432	1317

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	352	301	265	429	347	296
300	400	2000	505	414	335	543	484	381
300	600	2000	788	642	544	875	690	569
300	800	2000	991	920	691	1006	911	733
300	1000	2000	1203	1057	908	1228	1063	984
425	300	2000	513	450	381	575	527	486
425	400	2000	649	578	499	743	645	571
425	500	2000	825	694	603	879	788	661
425	600	2000	944	842	692	974	908	768
425	800	2000	1145	1042	923	1190	1066	967
425	1000	2000	1391	1234	1099	1392	1270	1106
600	300	2000	700	642	596	875	777	700
600	400	2000	921	794	704	943	904	843
600	500	2000	1004	1007	838	1064	1003	951
600	600	2000	1116	1047	996	1189	1099	1023
600	800	2000	1416	1273	1166	1430	1347	1205
600	1000	2000	1597	1520	1351	1621	1524	1405
800	300	2000	847	843	764	922	895	870
800	400	2000	958	926	942	1051	1002	958
800	500	2000	1096	1040	998	1213	1132	1063
800	600	2000	1254	1166	1100	1311	1277	1175
800	800	2000	1465	1416	1306	1510	1441	1381
800	1000	2000	1661	1574	1510	1719	1606	1511
850	300	2000	882	865	841	970	940	913
850	400	2000	1001	967	942	1111	1057	1009
850	600	2000	1320	1224	1151	1354	1315	1244
850	800	2000	1507	1455	1372	1561	1488	1424
850	1000	2000	1710	1619	1551	1780	1660	1559
1000	300	2000	942	922	909	1071	1034	1001
1000	400	2000	1085	1043	1012	1187	1181	1121
1000	500	2000	1264	1190	1134	1304	1275	1264
1000	600	2000	1352	1326	1255	1414	1370	1332
1000	800	2000	1555	1498	1458	1635	1553	1482
1000	1000	2000	1774	1673	1598	1879	1743	1629
1100	300	2000	1007	984	969	1133	1132	1092
1100	400	2000	1183	1134	1097	1255	1236	1219
1100	600	2000	1421	1392	1376	1502	1453	1410
1100	800	2000	1638	1575	1531	1743	1651	1572
1100	1000	2000	1878	1765	1682	2016	1862	1734
1200	300	2000	1046	1019	1002	1144	1134	1127
1200	400	2000	1202	1188	1147	1276	1256	1238
1200	500	2000	1316	1300	1293	1401	1367	1336
1200	600	2000	1425	1395	1378	1522	1470	1425
1200	800	2000	1648	1582	1535	1776	1677	1593
1200	1000	2000	1900	1780	1691	2069	1902	1764
1350	300	2000	1153	1152	1129	1240	1229	1219
1350	400	2000	1289	1282	1285	1390	1366	1345
1350	600	2000	1530	1495	1475	1664	1603	1549
1350	800	2000	1781	1704	1648	1960	1842	1741
1350	1000	2000	2073	1932	1827	2315	2111	1944
425	800	2200	1226	1093	994	1269	1130	1006
600	800	2200	1427	1336	1199	1456	1382	1258
650	800	2200	1476	1415	1265	1514	1435	1343
800	800	2200	1506	1444	1381	1569	1482	1407
850	800	2200	1554	1488	1439	1627	1536	1457
1000	800	2200	1620	1545	1490	1727	1623	1534
1100	800	2200	1718	1634	1575	1857	1740	1638
1200	800	2200	1740	1652	1587	1911	1782	1673
1350	800	2200	1901	1796	1719	2142	1983	1851
425	800	2400	1283	1141	1021	1296	1195	1044
600	800	2400	1458	1390	1247	1498	1409	1330
650	800	2400	1514	1440	1325	1562	1469	1388
800	800	2400	1553	1473	1412	1634	1528	1437
850	800	2400	1607	1523	1460	1703	1589	1493
1000	800	2400	1692	1597	1526	1832	1700	1589
1100	800	2400	1807	1700	1620	1991	1838	1711
1200	800	2400	1844	1730	1644	2069	1901	1761
1350	800	2400	2037	1899	1797	2361	2148	1976

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	283	243	213	345	280	238
300	400	2000	407	334	270	437	390	307
300	600	2000	635	517	438	705	556	458
300	800	2000	798	741	557	811	734	591
300	1000	2000	969	851	731	990	857	793
425	300	2000	413	362	307	463	424	392
425	400	2000	523	466	402	598	520	460
425	500	2000	665	559	486	708	635	533
425	600	2000	760	679	557	784	732	619
425	800	2000	923	839	744	959	859	779
425	1000	2000	1120	994	885	1121	1023	891
600	300	2000	564	517	480	705	626	564
600	400	2000	742	640	567	760	729	679
600	500	2000	809	811	675	857	808	766
600	600	2000	899	843	802	958	885	824
600	800	2000	1141	1025	939	1152	1085	970
600	1000	2000	1287	1225	1089	1306	1228	1132
800	300	2000	719	716	648	783	759	739
800	400	2000	813	786	800	892	850	813
800	500	2000	930	883	847	1029	960	902
800	600	2000	1064	990	933	1112	1084	997
800	800	2000	1243	1201	1108	1281	1223	1171
800	1000	2000	1409	1336	1281	1458	1363	1282
850	300	2000	748	734	714	823	797	775
850	400	2000	850	820	799	943	896	856
850	600	2000	1120	1038	977	1149	1115	1056
850	800	2000	1279	1235	1165	1324	1262	1208
850	1000	2000	1451	1374	1316	1510	1409	1323
1000	300	2000	780	763	753	887	856	829
1000	400	2000	898	864	838	983	978	928
1000	500	2000	1046	985	939	1080	1055	1046
1000	600	2000	1119	1098	1039	1171	1135	1103
1000	800	2000	1287	1240	1207	1354	1286	1227
1000	1000	2000	1469	1385	1323	1556	1443	1349
1100	300	2000	834	815	802	938	937	904
1100	400	2000	979	939	909	1039	1023	1010
1100	600	2000	1176	1153	1139	1243	1203	1167
1100	800	2000	1356	1304	1268	1443	1367	1302
1100	1000	2000	1555	1462	1393	1669	1542	1436
1200	300	2000	906	883	868	991	983	977
1200	400	2000	1042	1030	994	1106	1089	1073
1200	500	2000	1140	1126	1120	1214	1184	1158
1200	600	2000	1235	1209	1194	1319	1274	1235
1200	800	2000	1428	1371	1330	1539	1454	1380
1200	1000	2000	1646	1543	1466	1793	1649	1529
1350	300	2000	999	999	978	1074	1065	1057
1350	400	2000	1117	1111	1113	1204	1184	1165
1350	600	2000	1326	1296	1278	1442	1389	1343
1350	800	2000	1543	1477	1429	1698	1596	1509
1350	1000	2000	1797	1674	1584	2006	1829	1685
425	800	2200	987	880	800	1022	911	811
600	800	2200	1150	1076	966	1173	1114	1014
650	800	2200	1189	1140	1019	1219	1156	1082
800	800	2200	1278	1225	1172	1331	1257	1194
850	800	2200	1319	1263	1221	1380	1303	1236
1000	800	2200	1342	1279	1234	1430	1344	1270
1100	800	2200	1422	1353	1304	1538	1440	1356
1200	800	2200	1508	1431	1375	1656	1544	1450
1350	800	2200	1647	1556	1490	1856	1719	1604
425	800	2400	1034	919	822	1044	963	841
600	800	2400	1175	1119	1005	1206	1135	1072
650	800	2400	1219	1160	1067	1259	1183	1118
800	800	2400	1317	1250	1198	1386	1296	1219
850	800	2400	1364	1292	1239	1445	1348	1267
1000	800	2400	1401	1322	1264	1517	1408	1316
1100	800	2400	1496	1408	1342	1648	1522	1417
1200	800	2400	1598	1499	1425	1793	1647	1526
1350	800	2400	1765	1646	1557	2046	1862	1712

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	273	234	206	334	270	230
300	400	2000	393	322	261	422	376	297
300	600	2000	613	499	423	680	537	442
300	800	2000	770	716	538	783	708	570
300	1000	2000	936	822	706	955	827	765
425	300	2000	399	350	296	447	410	378
425	400	2000	504	450	388	578	502	444
425	500	2000	642	540	469	684	613	514
425	600	2000	734	655	538	757	706	598
425	800	2000	891	810	718	925	829	752
425	1000	2000	1082	960	855	1083	988	860
600	300	2000	545	499	464	680	605	545
600	400	2000	716	618	547	733	703	656
600	500	2000	781	783	652	828	780	739
600	600	2000	868	814	774	925	855	796
600	800	2000	1101	990	907	1112	1048	937
600	1000	2000	1242	1182	1051	1261	1185	1093
800	300	2000	693	690	625	755	732	712
800	400	2000	784	758	771	860	820	784
800	500	2000	897	851	817	992	926	870
800	600	2000	1026	954	900	1072	1045	961
800	800	2000	1199	1158	1069	1235	1179	1130
800	1000	2000	1359	1288	1235	1406	1314	1236
850	300	2000	721	708	688	794	769	747
850	400	2000	819	791	770	909	864	826
850	600	2000	1080	1001	942	1108	1076	1018
850	800	2000	1233	1191	1123	1277	1217	1165
850	1000	2000	1399	1325	1269	1456	1358	1276
1000	300	2000	750	734	724	853	823	797
1000	400	2000	864	830	806	945	940	892
1000	500	2000	1006	947	903	1038	1015	1006
1000	600	2000	1076	1056	999	1126	1091	1060
1000	800	2000	1238	1192	1161	1302	1237	1180
1000	1000	2000	1412	1332	1272	1496	1388	1297
1100	300	2000	802	784	772	902	901	869
1100	400	2000	942	903	874	999	984	971
1100	600	2000	1131	1109	1096	1196	1157	1123
1100	800	2000	1304	1254	1219	1388	1315	1252
1100	1000	2000	1495	1405	1339	1605	1482	1380
1200	300	2000	871	849	835	953	945	939
1200	400	2000	1002	990	956	1064	1047	1032
1200	500	2000	1097	1083	1077	1168	1139	1113
1200	600	2000	1187	1163	1148	1269	1225	1187
1200	800	2000	1373	1318	1279	1480	1398	1327
1200	1000	2000	1583	1483	1409	1724	1585	1470
1350	300	2000	961	960	941	1033	1024	1016
1350	400	2000	1074	1068	1070	1158	1138	1121
1350	600	2000	1275	1246	1229	1387	1336	1291
1350	800	2000	1484	1420	1374	1633	1535	1451
1350	1000	2000	1727	1610	1523	1929	1759	1620
425	800	2200	953	850	773	987	879	783
600	800	2200	1110	1039	932	1133	1075	979
650	800	2200	1148	1100	984	1177	1116	1044
800	800	2200	1278	1225	1172	1331	1257	1194
850	800	2200	1319	1263	1221	1380	1303	1236
1000	800	2200	1445	1378	1329	1540	1448	1368
1100	800	2200	1532	1457	1404	1656	1551	1460
1200	800	2200	1624	1541	1481	1784	1663	1561
1350	800	2200	1774	1676	1604	1999	1851	1728
425	800	2400	998	888	794	1008	930	812
600	800	2400	1134	1081	970	1165	1096	1035
650	800	2400	1177	1120	1030	1215	1142	1079
800	800	2400	1317	1250	1198	1386	1296	1219
850	800	2400	1364	1292	1239	1445	1348	1267
1000	800	2400	1509	1424	1361	1634	1516	1417
1100	800	2400	1611	1516	1445	1775	1639	1526
1200	800	2400	1721	1614	1534	1931	1774	1644
1350	800	2400	1901	1772	1677	2204	2005	1844

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **25°C**

Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	264	226	199	322	260	222
300	400	2000	379	311	251	407	363	286
300	600	2000	591	481	408	656	518	427
300	800	2000	743	690	519	755	683	550
300	1000	2000	902	793	681	921	798	738
425	300	2000	385	337	286	431	395	365
425	400	2000	486	434	375	557	484	428
425	500	2000	619	520	452	659	591	496
425	600	2000	708	632	519	730	681	576
425	800	2000	859	781	692	892	800	725
425	1000	2000	1043	926	824	1044	952	829
600	300	2000	525	481	447	656	583	525
600	400	2000	691	596	528	707	678	633
600	500	2000	753	755	628	798	753	713
600	600	2000	837	785	747	892	824	767
600	800	2000	1062	954	874	1072	1010	904
600	1000	2000	1198	1140	1013	1216	1143	1054
800	300	2000	667	664	602	727	705	686
800	400	2000	755	730	743	828	789	755
800	500	2000	864	820	787	955	892	837
800	600	2000	988	919	866	1033	1006	926
800	800	2000	1154	1115	1029	1190	1135	1088
800	1000	2000	1308	1240	1190	1354	1265	1190
850	300	2000	695	682	663	764	740	719
850	400	2000	789	762	742	875	832	795
850	600	2000	1040	964	907	1067	1036	980
850	800	2000	1187	1146	1081	1230	1172	1122
850	1000	2000	1348	1276	1222	1402	1308	1229
1000	300	2000	720	704	695	819	790	765
1000	400	2000	829	797	774	907	903	857
1000	500	2000	966	909	867	997	974	966
1000	600	2000	1033	1013	959	1081	1047	1018
1000	800	2000	1188	1145	1114	1250	1187	1133
1000	1000	2000	1356	1278	1221	1436	1332	1245
1100	300	2000	770	752	741	866	865	835
1100	400	2000	904	866	839	959	945	932
1100	600	2000	1086	1064	1052	1148	1110	1078
1100	800	2000	1252	1204	1170	1332	1262	1202
1100	1000	2000	1435	1349	1285	1541	1423	1325
1200	300	2000	836	815	802	915	908	901
1200	400	2000	962	951	917	1021	1005	991
1200	500	2000	1053	1040	1034	1121	1093	1069
1200	600	2000	1140	1116	1102	1218	1176	1140
1200	800	2000	1318	1265	1228	1421	1342	1274
1200	1000	2000	1520	1424	1353	1655	1522	1411
1350	300	2000	923	922	903	992	983	975
1350	400	2000	1031	1025	1028	1112	1093	1076
1350	600	2000	1224	1196	1180	1331	1282	1239
1350	800	2000	1425	1363	1319	1568	1473	1393
1350	1000	2000	1658	1546	1462	1852	1689	1555
425	800	2200	919	819	745	952	848	755
600	800	2200	1071	1002	899	1092	1037	944
650	800	2200	1107	1061	949	1135	1076	1007
800	800	2200	1233	1181	1130	1284	1212	1152
850	800	2200	1272	1218	1177	1331	1257	1192
1000	800	2200	1393	1328	1281	1485	1396	1319
1100	800	2200	1477	1405	1354	1597	1496	1408
1200	800	2200	1566	1486	1428	1720	1604	1505
1350	800	2200	1710	1616	1547	1928	1785	1666
425	800	2400	963	856	765	972	896	783
600	800	2400	1094	1042	936	1123	1057	998
650	800	2400	1135	1080	994	1172	1102	1041
800	800	2400	1270	1206	1156	1337	1250	1176
850	800	2400	1315	1246	1195	1393	1300	1222
1000	800	2400	1455	1373	1312	1575	1462	1366
1100	800	2400	1554	1462	1393	1712	1581	1472
1200	800	2400	1659	1557	1480	1862	1710	1585
1350	800	2400	1833	1709	1617	2125	1933	1778

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	143	122	107	174	141	120
300	400	2000	205	168	136	220	196	154
300	600	2000	320	260	221	355	280	231
300	800	2000	402	373	281	408	370	298
300	1000	2000	489	429	369	499	432	399
425	300	2000	208	182	154	233	214	197
425	400	2000	263	235	202	301	262	232
425	500	2000	335	282	245	357	320	269
425	600	2000	383	342	281	395	369	312
425	800	2000	465	423	375	483	433	393
425	1000	2000	565	501	446	565	516	449
600	300	2000	284	260	242	355	316	284
600	400	2000	374	322	285	383	367	342
600	500	2000	408	409	340	432	408	386
600	600	2000	453	425	404	483	446	415
600	800	2000	575	517	473	581	547	489
600	1000	2000	649	618	549	659	619	571
650	300	2000	312	283	262	356	357	318
650	400	2000	379	357	313	404	387	372
650	600	2000	476	446	423	513	473	439
800	300	2000	375	374	338	409	397	386
800	400	2000	424	410	398	466	444	424
800	500	2000	486	461	442	537	501	471
800	600	2000	556	517	487	581	566	521
800	800	2000	649	627	579	669	638	612
800	1000	2000	736	697	669	762	712	670
850	300	2000	391	383	373	430	416	404
850	400	2000	444	428	417	492	468	447
850	600	2000	585	542	510	600	582	551
850	800	2000	668	645	608	691	659	631
850	1000	2000	758	717	688	789	736	691
1000	300	2000	438	429	423	499	481	466
1000	400	2000	505	486	471	553	550	522
1000	500	2000	589	554	528	607	594	589
1000	600	2000	629	617	584	658	638	620
1000	800	2000	724	697	679	762	723	690
1000	1000	2000	826	779	744	875	812	759
1100	300	2000	469	458	451	527	527	509
1100	400	2000	551	528	511	584	576	568
1100	600	2000	662	648	641	699	676	656
1100	800	2000	763	733	713	812	769	732
1100	1000	2000	874	822	783	939	867	807
1200	300	2000	510	497	488	557	553	549
1200	400	2000	586	580	559	622	612	604
1200	500	2000	641	634	630	683	666	651
1200	600	2000	694	680	672	742	717	694
1200	800	2000	803	771	748	866	818	776
1200	1000	2000	926	868	824	1009	927	860
1350	300	2000	562	562	550	604	599	594
1350	400	2000	628	625	626	677	666	655
1350	600	2000	746	729	719	811	781	755
1350	800	2000	868	830	803	955	898	849
1350	1000	2000	1010	942	891	1129	1029	948
425	800	2200	498	444	404	516	459	409
600	800	2200	580	543	487	592	562	511
650	800	2200	600	575	514	615	583	546
800	800	2200	668	640	613	695	657	624
850	800	2200	689	660	638	722	681	646
1000	800	2200	755	720	695	805	756	715
1100	800	2200	800	762	733	866	810	763
1200	800	2200	849	806	774	932	869	816
1350	800	2200	927	876	838	1044	967	903
425	800	2400	521	464	414	526	485	424
600	800	2400	593	565	507	609	573	541
650	800	2400	615	585	538	635	597	564
800	800	2400	688	653	626	724	677	637
850	800	2400	712	675	647	754	704	662
1000	800	2400	788	744	711	854	792	740
1100	800	2400	842	792	755	927	856	797
1200	800	2400	899	843	801	1.009	927	859
1350	800	2400	993	926	876	1.151	1.047	963

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	257	220	193	313	254	216
300	400	2000	369	302	245	396	353	277
300	600	2000	576	468	398	639	504	416
300	800	2000	724	671	506	734	666	536
300	1000	2000	880	772	664	898	778	718
425	300	2000	374	328	277	419	385	355
425	400	2000	473	423	364	542	472	418
425	500	2000	603	508	441	643	576	484
425	600	2000	689	616	506	711	664	562
425	800	2000	837	761	675	869	779	707
425	1000	2000	1017	902	803	1017	929	808
600	300	2000	511	468	436	639	569	511
600	400	2000	673	580	513	689	661	616
600	500	2000	734	736	612	778	734	695
600	600	2000	815	765	727	869	803	747
600	800	2000	1035	931	851	1046	985	880
600	1000	2000	1168	1112	988	1186	1114	1028
800	300	2000	619	617	558	675	655	637
800	400	2000	700	677	657	769	733	700
800	500	2000	802	761	729	886	827	777
800	600	2000	917	853	804	959	934	860
800	800	2000	1071	1035	955	1104	1053	1010
800	1000	2000	1214	1150	1104	1257	1175	1106
850	300	2000	645	632	615	710	686	667
850	400	2000	733	706	688	812	772	738
850	600	2000	965	894	842	990	960	909
850	800	2000	1102	1064	1003	1140	1087	1041
850	1000	2000	1251	1183	1135	1302	1214	1140
1000	300	2000	688	674	664	783	755	732
1000	400	2000	793	763	739	868	864	820
1000	500	2000	925	870	829	953	933	925
1000	600	2000	988	969	917	1033	1002	973
1000	800	2000	1137	1094	1066	1196	1135	1083
1000	1000	2000	1297	1223	1168	1374	1275	1192
1100	300	2000	736	719	708	827	827	799
1100	400	2000	865	829	802	917	904	892
1100	600	2000	1039	1017	1006	1097	1061	1030
1100	800	2000	1198	1151	1119	1275	1207	1149
1100	1000	2000	1372	1291	1229	1474	1361	1267
1200	300	2000	765	746	732	836	830	824
1200	400	2000	879	870	839	933	918	906
1200	500	2000	962	951	945	1025	999	977
1200	600	2000	1041	1020	1008	1113	1076	1041
1200	800	2000	1205	1157	1122	1299	1227	1164
1200	1000	2000	1389	1302	1236	1514	1391	1290
1350	300	2000	843	843	825	906	899	891
1350	400	2000	942	938	939	1016	999	983
1350	600	2000	1119	1094	1079	1217	1172	1133
1350	800	2000	1302	1245	1205	1433	1347	1274
1350	1000	2000	1515	1413	1337	1694	1544	1422
425	800	2200	896	799	727	929	826	736
600	800	2200	1044	977	877	1066	1012	920
650	800	2200	1080	1035	925	1107	1049	983
800	800	2200	1102	1056	1011	1147	1084	1030
850	800	2200	1137	1089	1053	1191	1124	1066
1000	800	2200	1185	1130	1091	1264	1187	1123
1100	800	2200	1256	1196	1151	1360	1272	1198
1200	800	2200	1274	1209	1161	1398	1304	1224
1350	800	2200	1391	1314	1257	1566	1451	1355
425	800	2400	938	835	745	947	873	763
600	800	2400	1067	1017	913	1096	1031	974
650	800	2400	1107	1053	968	1143	1075	1015
800	800	2400	1135	1077	1033	1195	1117	1051
850	800	2400	1175	1114	1068	1244	1162	1092
1000	800	2400	1237	1168	1116	1341	1243	1162
1100	800	2400	1322	1243	1185	1455	1344	1251
1200	800	2400	1349	1265	1202	1514	1391	1289
1350	800	2400	1490	1389	1314	1727	1571	1445

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	207	177	155	252	204	174
300	400	2000	297	244	197	319	284	223
300	600	2000	464	377	320	515	406	335
300	800	2000	583	541	407	592	537	432
300	1000	2000	709	622	535	724	626	579
425	300	2000	302	264	223	338	310	286
425	400	2000	381	341	293	436	380	336
425	500	2000	486	409	355	518	464	390
425	600	2000	555	496	407	573	535	452
425	800	2000	674	613	544	700	628	570
425	1000	2000	819	726	647	819	748	651
600	300	2000	412	377	351	515	458	412
600	400	2000	542	467	413	555	532	496
600	500	2000	592	593	493	626	592	560
600	600	2000	657	616	586	700	647	602
600	800	2000	834	750	686	842	793	709
600	1000	2000	941	896	796	956	898	828
800	300	2000	525	524	473	573	556	540
800	400	2000	594	574	557	652	622	594
800	500	2000	680	645	619	752	701	659
800	600	2000	778	724	682	813	792	729
800	800	2000	909	878	811	937	893	857
800	1000	2000	1030	976	937	1067	997	938
850	300	2000	547	536	522	602	582	566
850	400	2000	622	599	584	689	655	626
850	600	2000	819	759	714	840	815	771
850	800	2000	935	903	851	967	923	883
850	1000	2000	1061	1004	963	1105	1030	967
1000	300	2000	569	558	550	649	625	606
1000	400	2000	657	632	612	719	715	679
1000	500	2000	766	720	686	789	772	766
1000	600	2000	818	802	759	855	829	806
1000	800	2000	941	906	883	991	940	897
1000	1000	2000	1074	1013	967	1138	1056	987
1100	300	2000	610	595	586	685	685	662
1100	400	2000	716	686	664	759	749	738
1100	600	2000	861	842	833	909	879	853
1100	800	2000	992	953	927	1056	1000	952
1100	1000	2000	1136	1069	1018	1221	1127	1049
1200	300	2000	663	646	634	724	719	714
1200	400	2000	762	754	727	809	796	785
1200	500	2000	833	824	819	888	866	846
1200	600	2000	902	884	874	965	932	902
1200	800	2000	1044	1002	972	1126	1063	1009
1200	1000	2000	1204	1128	1071	1312	1205	1118
1350	300	2000	731	731	715	785	779	772
1350	400	2000	816	813	814	880	866	852
1350	600	2000	970	948	935	1054	1015	982
1350	800	2000	1128	1079	1044	1242	1167	1104
1350	1000	2000	1313	1225	1158	1468	1338	1232
425	800	2200	722	644	586	748	666	593
600	800	2200	841	787	706	858	815	741
650	800	2200	870	834	745	892	845	792
800	800	2200	935	896	858	973	920	874
850	800	2200	965	924	893	1011	953	904
1000	800	2200	982	936	904	1047	983	930
1100	800	2200	1040	991	953	1126	1053	992
1200	800	2200	1104	1048	1006	1212	1130	1061
1350	800	2200	1205	1139	1089	1357	1257	1174
425	800	2400	755	673	600	763	703	615
600	800	2400	860	819	735	883	831	784
650	800	2400	892	848	780	921	866	818
800	800	2400	963	914	876	1014	948	892
850	800	2400	997	945	906	1056	986	927
1000	800	2400	1024	967	924	1110	1030	962
1100	800	2400	1095	1030	982	1205	1113	1036
1200	800	2400	1169	1096	1041	1312	1205	1117
1350	800	2400	1291	1204	1139	1496	1361	1252

Powering Business Worldwide

Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	200	171	150	244	197	168
300	400	2000	287	235	190	308	274	216
300	600	2000	448	364	309	497	392	323
300	800	2000	563	522	393	571	518	417
300	1000	2000	685	601	517	699	605	559
425	300	2000	291	255	216	326	300	276
425	400	2000	368	329	283	421	367	325
425	500	2000	469	395	343	500	448	377
425	600	2000	536	479	393	553	517	437
425	800	2000	651	592	525	676	606	550
425	1000	2000	791	701	624	791	722	629
600	300	2000	398	364	339	497	442	398
600	400	2000	524	451	399	536	514	479
600	500	2000	571	573	476	605	571	540
600	600	2000	634	595	566	676	624	581
600	800	2000	805	724	662	813	766	685
600	1000	2000	909	865	769	923	867	799
800	300	2000	506	505	456	552	536	521
800	400	2000	572	554	537	629	599	572
800	500	2000	656	622	597	725	676	636
800	600	2000	751	698	657	784	764	703
800	800	2000	876	846	782	903	861	826
800	1000	2000	994	941	903	1029	961	905
850	300	2000	528	517	504	581	562	545
850	400	2000	599	578	563	664	632	603
850	600	2000	790	732	689	810	786	744
850	800	2000	902	871	821	933	890	852
850	1000	2000	1023	968	929	1065	994	933
1000	300	2000	548	536	529	624	601	583
1000	400	2000	631	608	589	691	688	653
1000	500	2000	736	693	660	759	743	736
1000	600	2000	786	771	730	823	798	775
1000	800	2000	905	871	849	953	904	863
1000	1000	2000	1033	974	930	1094	1015	949
1100	300	2000	586	573	564	659	659	636
1100	400	2000	689	660	639	730	720	710
1100	600	2000	828	810	801	874	845	820
1100	800	2000	954	916	891	1015	961	915
1100	1000	2000	1093	1028	979	1174	1084	1009
1200	300	2000	638	621	610	696	691	686
1200	400	2000	733	725	699	778	765	755
1200	500	2000	801	793	788	854	833	814
1200	600	2000	868	850	840	928	896	868
1200	800	2000	1004	964	935	1083	1023	970
1200	1000	2000	1158	1085	1030	1261	1159	1075
1350	300	2000	703	703	688	755	749	743
1350	400	2000	785	781	783	846	833	819
1350	600	2000	933	911	899	1014	976	944
1350	800	2000	1085	1038	1004	1194	1123	1061
1350	1000	2000	1263	1178	1114	1411	1286	1185
425	800	2200	697	622	566	722	643	573
600	800	2200	812	760	682	829	787	715
650	800	2200	840	805	720	861	816	764
800	800	2200	935	896	858	973	920	874
850	800	2200	965	924	893	1011	953	904
1000	800	2200	1057	1008	973	1127	1058	1001
1100	800	2200	1120	1067	1026	1212	1134	1068
1200	800	2200	1189	1128	1084	1305	1217	1142
1350	800	2200	1298	1226	1173	1462	1354	1264
425	800	2400	729	650	580	736	679	594
600	800	2400	830	791	710	853	802	757
650	800	2400	861	819	753	889	836	790
800	800	2400	963	914	876	1014	948	892
850	800	2400	997	945	906	1056	986	927
1000	800	2400	1103	1042	995	1196	1109	1036
1100	800	2400	1179	1109	1057	1298	1198	1116
1200	800	2400	1259	1180	1121	1413	1298	1203
1350	800	2400	1390	1296	1226	1611	1466	1348

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **35°C**

Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	193	165	144	235	190	162
300	400	2000	277	227	184	297	265	208
300	600	2000	432	351	298	479	378	312
300	800	2000	543	504	379	551	500	402
300	1000	2000	660	579	498	674	583	539
425	300	2000	281	246	208	315	289	266
425	400	2000	355	317	273	406	354	313
425	500	2000	452	381	331	482	432	363
425	600	2000	517	462	379	533	498	421
425	800	2000	628	571	506	652	585	531
425	1000	2000	763	676	602	763	697	606
600	300	2000	383	351	327	479	427	383
600	400	2000	505	435	385	517	495	462
600	500	2000	551	552	459	583	551	521
600	600	2000	612	574	545	652	602	560
600	800	2000	776	698	639	784	738	660
600	1000	2000	876	834	741	890	836	771
800	300	2000	488	486	439	532	516	502
800	400	2000	551	533	517	606	577	551
800	500	2000	632	599	575	698	651	612
800	600	2000	723	672	633	755	736	677
800	800	2000	844	815	753	870	829	796
800	1000	2000	957	906	870	991	926	871
850	300	2000	508	498	485	559	541	525
850	400	2000	577	556	542	640	608	581
850	600	2000	761	705	663	780	757	716
850	800	2000	868	839	790	898	857	820
850	1000	2000	985	932	894	1026	957	898
1000	300	2000	526	515	508	599	577	559
1000	400	2000	606	583	565	664	660	626
1000	500	2000	707	665	634	728	713	707
1000	600	2000	755	740	701	790	766	744
1000	800	2000	869	836	815	914	868	828
1000	1000	2000	991	935	893	1050	974	911
1100	300	2000	563	550	541	632	632	611
1100	400	2000	661	634	613	701	691	682
1100	600	2000	794	778	769	839	811	787
1100	800	2000	916	880	856	974	923	878
1100	1000	2000	1049	986	940	1127	1040	968
1200	300	2000	612	596	586	668	664	659
1200	400	2000	703	696	671	746	734	725
1200	500	2000	769	761	756	820	799	781
1200	600	2000	833	816	806	890	860	833
1200	800	2000	964	925	898	1039	982	931
1200	1000	2000	1111	1042	989	1211	1112	1032
1350	300	2000	674	674	660	725	719	713
1350	400	2000	754	750	751	812	799	786
1350	600	2000	895	875	863	973	937	906
1350	800	2000	1042	996	964	1146	1078	1019
1350	1000	2000	1212	1130	1069	1355	1235	1138
425	800	2200	672	599	545	697	620	552
600	800	2200	783	733	657	799	759	690
650	800	2200	810	776	694	830	787	737
800	800	2200	902	864	828	938	887	842
850	800	2200	930	891	861	975	919	872
1000	800	2200	1019	972	938	1087	1021	965
1100	800	2200	1080	1029	990	1169	1094	1030
1200	800	2200	1146	1088	1045	1258	1173	1102
1350	800	2200	1251	1183	1131	1409	1305	1219
425	800	2400	703	626	559	710	655	572
600	800	2400	801	763	684	822	774	730
650	800	2400	830	790	726	857	806	761
800	800	2400	929	882	845	977	914	860
850	800	2400	961	911	873	1018	950	894
1000	800	2400	1064	1004	960	1153	1069	999
1100	800	2400	1137	1069	1019	1251	1156	1076
1200	800	2400	1214	1138	1081	1362	1251	1160
1350	800	2400	1341	1250	1183	1554	1413	1300

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP55			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	71	61	54	87	70	60
300	400	2000	102	84	67	110	98	77
300	600	2000	159	130	110	177	139	115
300	800	2000	200	186	140	203	184	148
300	1000	2000	243	214	184	248	215	199
425	300	2000	104	91	77	117	107	99
425	400	2000	131	117	101	150	130	115
425	500	2000	167	141	122	178	160	134
425	600	2000	191	170	140	197	184	155
425	800	2000	232	211	187	241	216	195
425	1000	2000	281	250	222	282	257	224
600	300	2000	142	130	121	177	158	142
600	400	2000	186	160	142	191	183	170
600	500	2000	204	204	170	216	203	193
600	600	2000	226	212	201	240	222	207
600	800	2000	286	257	236	289	272	244
600	1000	2000	323	308	273	328	308	284
650	300	2000	155	141	130	177	178	158
650	400	2000	189	178	156	201	193	185
650	600	2000	237	222	211	256	235	219
800	300	2000	187	186	169	204	198	192
800	400	2000	211	204	208	232	221	211
800	500	2000	242	230	221	268	250	235
800	600	2000	277	257	243	289	282	259
800	800	2000	323	312	288	333	318	305
800	1000	2000	367	347	333	379	355	333
850	300	2000	195	191	186	214	208	202
850	400	2000	221	213	208	254	233	223
850	600	2000	291	270	254	299	290	274
850	800	2000	333	321	303	344	328	314
850	1000	2000	378	357	342	393	367	344
1000	300	2000	219	214	211	249	240	232
1000	400	2000	252	242	235	275	274	260
1000	500	2000	294	276	263	303	296	294
1000	600	2000	313	308	291	328	318	309
1000	800	2000	361	347	338	379	360	344
1000	1000	2000	412	388	371	436	404	378
1100	300	2000	234	229	225	263	263	254
1100	400	2000	275	263	255	292	287	283
1100	600	2000	330	323	319	348	337	327
1100	800	2000	380	365	355	404	383	365
1100	1000	2000	436	410	390	468	432	402
1200	300	2000	254	248	244	278	276	274
1200	400	2000	292	289	279	310	305	301
1200	500	2000	320	316	314	341	332	325
1200	600	2000	346	339	335	370	357	346
1200	800	2000	400	384	373	431	407	387
1200	1000	2000	461	432	411	503	462	428
1350	300	2000	280	280	274	301	299	296
1350	400	2000	313	312	312	338	332	327
1350	600	2000	372	363	358	404	389	376
1350	800	2000	433	414	400	476	447	423
1350	1000	2000	504	469	444	562	513	472
425	800	2200	248	221	201	257	229	204
600	800	2200	289	271	243	295	280	255
650	800	2200	299	287	256	307	291	272
800	800	2200	333	319	305	347	328	311
850	800	2200	344	329	318	360	340	322
1000	800	2200	376	359	346	401	377	356
1100	800	2200	399	380	366	432	404	381
1200	800	2200	423	402	386	465	433	407
1350	800	2200	462	437	418	521	482	450
425	800	2400	260	231	207	263	242	211
600	800	2400	295	281	253	304	286	270
650	800	2400	307	292	268	317	298	281
800	800	2400	343	326	312	361	338	318
850	800	2400	355	337	323	376	351	330
1000	800	2400	393	371	355	426	395	369
1100	800	2400	420	395	377	462	427	398
1200	800	2400	448	420	400	503	462	428
1350	800	2400	495	462	437	574	522	480

Powering Business Worldwide

Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP31			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	128	110	97	156	127	108
300	400	2000	184	151	121	198	176	139
300	600	2000	286	234	198	319	250	207
300	800	2000	360	335	252	365	331	266
300	1000	2000	437	385	331	446	387	358
425	300	2000	187	164	139	210	192	177
425	400	2000	236	211	182	270	234	207
425	500	2000	301	253	220	321	288	241
425	600	2000	344	306	252	355	331	279
425	800	2000	418	380	337	434	389	351
425	1000	2000	506	450	400	508	463	403
600	300	2000	255	234	218	319	284	255
600	400	2000	335	288	256	344	329	306
600	500	2000	366	367	306	388	366	347
600	600	2000	407	382	362	432	400	373
600	800	2000	515	463	425	520	490	439
600	1000	2000	581	554	491	590	554	511
800	300	2000	309	308	279	336	326	317
800	400	2000	348	337	343	383	365	348
800	500	2000	400	379	364	442	413	388
800	600	2000	457	424	401	477	465	427
800	800	2000	533	515	475	549	525	503
800	1000	2000	606	573	549	625	586	549
850	300	2000	322	316	307	354	343	333
850	400	2000	365	351	343	419	384	368
850	600	2000	480	446	419	493	479	452
850	800	2000	549	530	500	568	541	518
850	1000	2000	624	589	564	648	606	568
1000	300	2000	343	336	332	391	377	365
1000	400	2000	396	380	369	432	430	408
1000	500	2000	461	434	414	476	465	461
1000	600	2000	491	484	457	515	499	485
1000	800	2000	567	545	531	595	565	540
1000	1000	2000	647	609	582	685	634	593
1100	300	2000	367	359	353	413	413	398
1100	400	2000	431	413	400	458	451	445
1100	600	2000	518	507	501	546	529	513
1100	800	2000	597	573	557	634	601	573
1100	1000	2000	685	644	612	735	678	631
1200	300	2000	381	372	365	417	414	411
1200	400	2000	438	433	418	466	458	452
1200	500	2000	480	474	471	511	498	487
1200	600	2000	519	509	503	555	536	519
1200	800	2000	600	576	560	647	611	581
1200	1000	2000	692	648	617	755	693	642
1350	300	2000	421	420	412	452	448	445
1350	400	2000	470	468	468	507	498	490
1350	600	2000	558	545	537	606	584	564
1350	800	2000	650	621	600	714	671	635
1350	1000	2000	756	704	666	843	770	708
425	800	2200	446	398	362	463	412	367
600	800	2200	520	488	437	531	504	459
650	800	2200	538	517	461	553	524	490
800	800	2200	549	526	503	573	541	513
850	800	2200	568	543	525	594	561	531
1000	800	2200	590	564	543	630	592	559
1100	800	2200	626	597	575	678	634	598
1200	800	2200	635	603	579	698	650	611
1350	800	2200	693	656	627	782	723	675
425	800	2400	468	416	373	473	436	380
600	800	2400	531	506	455	547	515	486
650	800	2400	553	526	482	571	536	506
800	800	2400	566	538	515	596	558	525
850	800	2400	586	556	533	620	579	545
1000	800	2400	617	582	557	669	620	579
1100	800	2400	659	620	592	725	670	625
1200	800	2400	672	630	600	755	693	642
1350	800	2400	743	693	656	861	783	720

EATON
Powering Business Worldwide

Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP42			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	103	88	78	126	102	87
300	400	2000	148	122	97	160	142	112
300	600	2000	231	189	160	257	202	167
300	800	2000	290	270	203	294	267	215
300	1000	2000	352	310	267	360	312	289
425	300	2000	151	132	112	169	155	143
425	400	2000	190	170	146	218	189	167
425	500	2000	242	204	177	258	232	194
425	600	2000	277	247	203	286	267	225
425	800	2000	336	306	271	349	313	283
425	1000	2000	407	363	322	409	373	325
600	300	2000	206	188	175	257	228	206
600	400	2000	270	232	206	277	265	247
600	500	2000	295	296	246	313	295	279
600	600	2000	328	307	291	348	322	300
600	800	2000	415	373	342	419	394	354
600	1000	2000	468	447	396	476	447	412
800	300	2000	262	261	236	285	277	269
800	400	2000	295	286	291	325	309	295
800	500	2000	339	322	309	375	350	329
800	600	2000	388	360	340	405	395	363
800	800	2000	452	437	403	466	445	427
800	1000	2000	514	486	466	531	497	466
850	300	2000	273	268	260	300	291	283
850	400	2000	309	298	291	356	326	312
850	600	2000	407	378	356	419	406	384
850	800	2000	466	449	424	482	459	440
850	1000	2000	529	500	479	550	514	482
1000	300	2000	284	278	275	324	312	302
1000	400	2000	328	315	306	358	356	338
1000	500	2000	382	359	343	394	385	382
1000	600	2000	407	400	378	426	413	402
1000	800	2000	469	451	439	493	468	447
1000	1000	2000	536	504	482	567	525	491
1100	300	2000	304	297	293	342	342	330
1100	400	2000	357	342	331	379	373	368
1100	600	2000	429	420	415	452	438	425
1100	800	2000	494	475	462	525	498	475
1100	1000	2000	567	533	507	608	562	523
1200	300	2000	330	322	317	362	359	356
1200	400	2000	380	376	362	403	397	391
1200	500	2000	416	411	409	443	432	422
1200	600	2000	450	441	436	481	464	450
1200	800	2000	520	499	485	560	529	503
1200	1000	2000	599	562	534	654	601	556
1350	300	2000	364	364	357	392	388	385
1350	400	2000	407	405	406	439	432	425
1350	600	2000	484	472	465	525	506	489
1350	800	2000	563	538	520	619	581	550
1350	1000	2000	655	610	577	731	667	614
425	800	2200	360	320	291	373	332	296
600	800	2200	419	393	352	428	406	370
650	800	2200	434	416	371	445	422	394
800	800	2200	466	447	427	486	459	435
850	800	2200	482	461	445	504	476	451
1000	800	2200	489	467	450	521	490	463
1100	800	2200	519	494	476	562	525	495
1200	800	2200	550	523	502	605	563	529
1350	800	2200	601	568	543	677	627	585
425	800	2400	377	335	300	381	351	306
600	800	2400	428	407	367	441	415	392
650	800	2400	445	423	389	460	432	407
800	800	2400	480	456	437	505	473	445
850	800	2400	497	472	452	526	491	462
1000	800	2400	511	482	462	554	514	480
1100	800	2400	546	514	490	601	555	517
1200	800	2400	582	546	520	654	601	556
1350	800	2400	644	601	568	746	679	624

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

Degree of prot. IP31 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	100	85	75	122	99	84
300	400	2000	143	118	94	154	137	108
300	600	2000	223	182	154	248	195	161
300	800	2000	280	260	196	284	258	207
300	1000	2000	340	300	258	347	301	279
425	300	2000	146	128	108	163	149	138
425	400	2000	183	164	141	210	182	161
425	500	2000	234	197	171	249	224	188
425	600	2000	267	238	196	276	258	217
425	800	2000	325	295	262	337	302	273
425	1000	2000	393	350	311	395	360	314
600	300	2000	199	182	169	248	221	199
600	400	2000	260	224	199	267	256	238
600	500	2000	285	286	238	302	285	270
600	600	2000	316	297	281	336	311	290
600	800	2000	400	360	330	405	381	342
600	1000	2000	452	431	382	459	431	398
800	300	2000	253	252	228	275	267	260
800	400	2000	285	275	281	313	298	285
800	500	2000	327	310	298	362	338	317
800	600	2000	374	347	328	390	381	350
800	800	2000	436	421	389	450	429	412
800	1000	2000	495	468	450	512	479	450
850	300	2000	263	258	251	289	280	272
850	400	2000	298	288	281	343	315	301
850	600	2000	393	365	343	404	392	370
850	800	2000	450	433	409	464	443	424
850	1000	2000	510	482	462	531	495	464
1000	300	2000	273	268	264	311	300	291
1000	400	2000	315	303	294	344	343	325
1000	500	2000	367	346	329	379	370	367
1000	600	2000	391	385	364	410	398	386
1000	800	2000	451	434	423	474	450	430
1000	1000	2000	515	485	464	545	505	473
1100	300	2000	293	286	281	329	329	317
1100	400	2000	343	329	319	364	359	354
1100	600	2000	413	404	399	435	421	409
1100	800	2000	475	456	444	505	479	456
1100	1000	2000	545	513	488	585	540	503
1200	300	2000	318	310	305	348	345	342
1200	400	2000	365	361	349	388	382	376
1200	500	2000	400	395	393	426	415	406
1200	600	2000	433	424	419	463	446	433
1200	800	2000	500	480	466	539	509	484
1200	1000	2000	576	540	514	629	578	535
1350	300	2000	350	350	343	377	373	371
1350	400	2000	392	390	390	422	415	409
1350	600	2000	465	454	448	505	486	470
1350	800	2000	541	518	500	595	559	529
1350	1000	2000	630	586	555	703	641	590
425	800	2200	347	309	281	360	321	286
600	800	2200	405	379	340	413	392	357
650	800	2200	419	402	358	430	407	381
800	800	2200	466	447	427	486	459	435
850	800	2200	482	461	445	504	476	451
1000	800	2200	526	503	484	561	528	498
1100	800	2200	559	532	512	605	566	533
1200	800	2200	592	563	540	651	606	570
1350	800	2200	647	612	585	729	675	630
425	800	2400	364	323	290	368	339	295
600	800	2400	413	393	354	426	400	378
650	800	2400	430	409	375	444	417	393
800	800	2400	480	456	437	505	473	445
850	800	2400	497	472	452	526	491	462
1000	800	2400	550	519	497	596	553	517
1100	800	2400	588	553	528	647	598	557
1200	800	2400	627	588	560	704	647	599
1350	800	2400	693	647	612	804	731	672

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Power Loss

Max. power loss Pv in W that can be installed, depending on the size of the enclosure and taking into account the set-up type
Calculation according to EN60890
No horizontal partitions
Ambient temperature: **50°C**

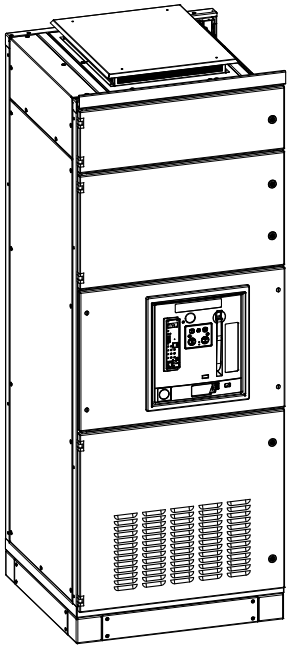
Degree of prot. IP42 closed			Max. power loss Pv in Watt					
Dimensions in mm			For wall-mounted			Stand-alone		
W	D	H	Enclosure	End enclosure	Center enclos.	Enclosure	End enclosure	Center enclos.
300	300	2000	96	82	72	117	95	81
300	400	2000	138	113	90	149	132	104
300	600	2000	215	176	149	239	188	155
300	800	2000	270	251	189	274	248	200
300	1000	2000	328	289	248	335	290	269
425	300	2000	140	123	104	157	144	133
425	400	2000	177	158	136	203	176	155
425	500	2000	226	190	165	240	216	181
425	600	2000	258	230	189	266	248	209
425	800	2000	313	285	252	325	292	263
425	1000	2000	379	338	300	381	347	302
600	300	2000	192	175	163	239	213	192
600	400	2000	251	216	192	258	247	230
600	500	2000	275	275	229	291	274	260
600	600	2000	305	286	271	324	300	279
600	800	2000	386	347	319	390	367	329
600	1000	2000	436	416	369	443	416	383
800	300	2000	243	242	219	265	257	250
800	400	2000	274	265	270	302	287	274
800	500	2000	315	299	287	348	325	305
800	600	2000	360	334	316	376	367	337
800	800	2000	420	406	374	433	413	397
800	1000	2000	477	451	433	493	462	433
850	300	2000	253	249	242	279	270	262
850	400	2000	287	277	270	330	303	290
850	600	2000	378	351	330	389	377	356
850	800	2000	433	417	394	447	426	408
850	1000	2000	491	464	445	511	477	447
1000	300	2000	262	257	253	299	288	279
1000	400	2000	302	290	282	330	329	312
1000	500	2000	352	332	316	364	355	352
1000	600	2000	376	370	349	394	382	371
1000	800	2000	433	416	406	455	432	413
1000	1000	2000	494	466	445	523	485	454
1100	300	2000	281	274	270	316	316	304
1100	400	2000	330	316	306	350	345	340
1100	600	2000	396	388	383	418	404	392
1100	800	2000	456	438	426	485	460	438
1100	1000	2000	523	492	468	562	518	482
1200	300	2000	305	297	292	334	331	329
1200	400	2000	351	347	335	372	366	361
1200	500	2000	384	379	377	409	399	390
1200	600	2000	415	407	402	444	428	415
1200	800	2000	480	461	448	517	488	464
1200	1000	2000	553	518	493	604	554	514
1350	300	2000	336	336	329	362	358	356
1350	400	2000	376	374	375	405	398	392
1350	600	2000	446	436	430	485	467	451
1350	800	2000	520	497	480	571	536	508
1350	1000	2000	605	563	533	674	616	566
425	800	2200	335	298	271	347	309	275
600	800	2200	390	366	328	398	378	344
650	800	2200	404	387	346	414	393	367
800	800	2200	450	431	412	468	443	420
850	800	2200	464	444	429	486	459	435
1000	800	2200	508	485	467	541	509	481
1100	800	2200	539	513	494	583	545	514
1200	800	2200	571	543	521	628	585	549
1350	800	2200	624	590	564	703	651	608
425	800	2400	351	312	279	355	327	285
600	800	2400	398	379	342	410	386	365
650	800	2400	414	394	362	428	402	379
800	800	2400	463	440	421	487	456	429
850	800	2400	479	455	436	508	474	446
1000	800	2400	531	501	479	575	533	498
1100	800	2400	567	533	509	624	576	537
1200	800	2400	605	567	540	679	624	578
1350	800	2400	668	624	590	775	705	648

Loss factors for horizontal separation panels:

Number of internal horizontal separation panels	0	1	2	3	
Loss factor of Pv		1	0.94	0.84	0.72

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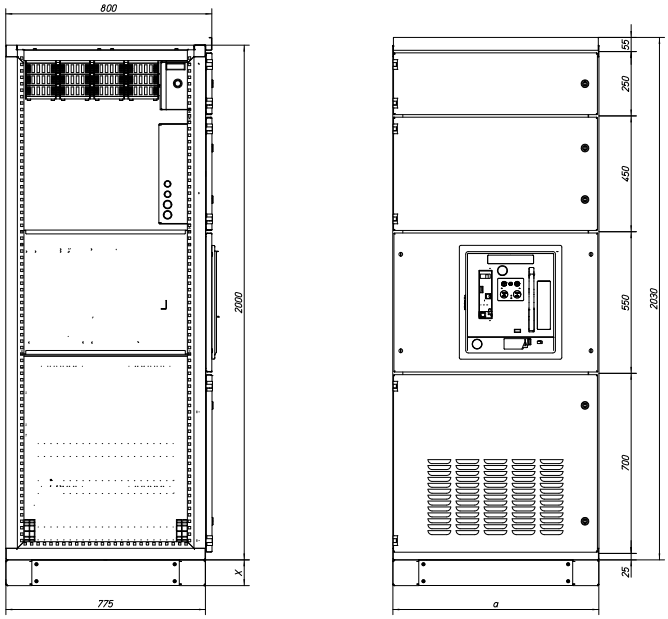
XP Power Sections for single ACBs of the IZMX16/40 and IZM63 series from 630 to 6300A



XP_single_Katalog_2a

For air circuit breakers IZMX16/40:

- in withdrawable design
- in fixed design (not IZM63)
- as 3-pole, 4-pole or 3P+N version
- thanks to a switch they can be realised as incoming, outgoing or coupler sections
- optimal conditions for energy/transformer measurements
- transformer straps integrated in the copper



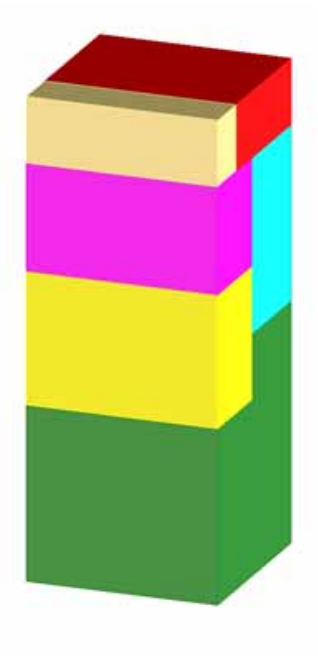
XP_single_Katalog_1

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section
- Section width (a): 425, 600, 800, 1000, 1100, 1350mm
  Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Powering Business Worldwide

XP Power Sections for single ACBs of the IZMX16/40 and IZM63 series from 630 to 6300A



XP_Funktionsraeume

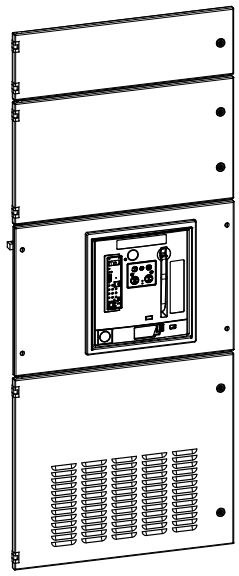
XP single IZMX40
Yellow: Switchgear area - ACB
Green: Connection area
Ochre: Metering compartment
Red: Busbar area - top
Magenta: Switchgear area
Cyan: Connection ACB - BBT

Main busbar

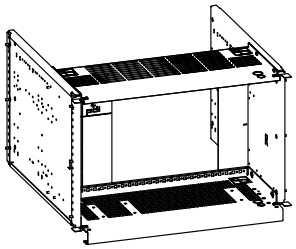
- Positions possible: Top
- From 1x30/10 up to max 12x30/10 Cu

Layout and internal separation up to Form 4/Type7

- Ready-to-install partition panels for section equipment up to Form 4/Type 7
- Clear division of functional areas
- Operation of the switch from outside
- You can either use a snap-on cover or a module door for the switch
- Separate measuring module of H = 450mm, either tiltable or fixed
- Separate wiring module of H = 250mm, can optionally be replaced by a partition panel
  The wiring module can be equipped with a cable duct for crosswiring
- Cable connection area can easily be reached from the front and the back
- All doors are equipped with a locking handle and a 3mm two-way key-bit lock

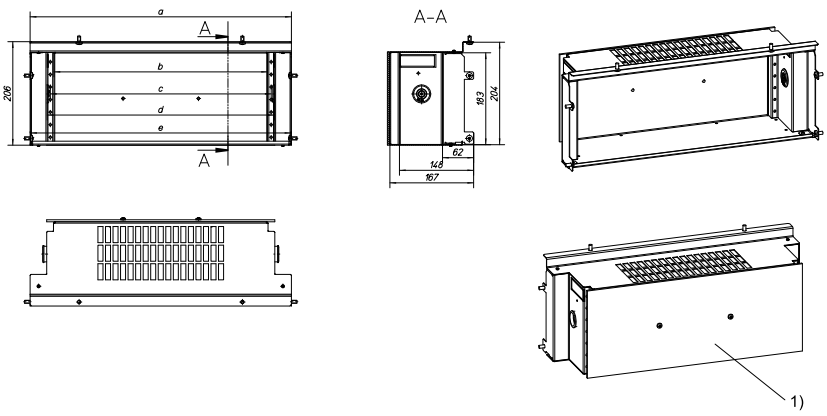


XP_single_Katalog_2b



Wiring module

- With the main busbar mounted at the top or bottom - depending on the application - the wiring module can be mounted in front of the main busbar.
  Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.



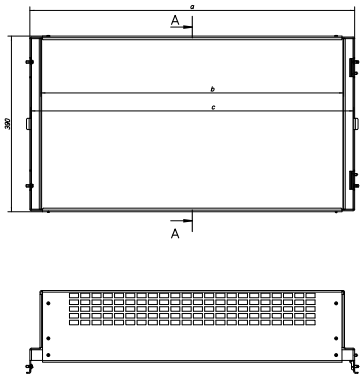
XP_AUX_Compartment

1) Additional insulating partition at the rear

	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

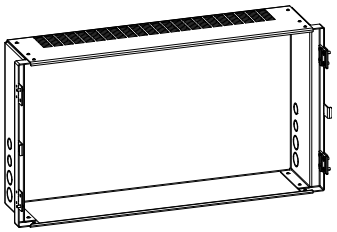
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XP Sections for single ACBs of the IZMX16/40 and IZM63 series up to 6300A



XP_Messmodul

	a	b	c
W425	346	297	342
W600	521	472	517
W800	721	672	717
W1100	1071	972	1017
W1350	1271	1222	1267

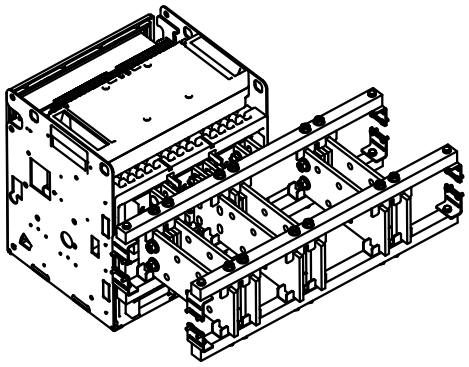


Measuring module

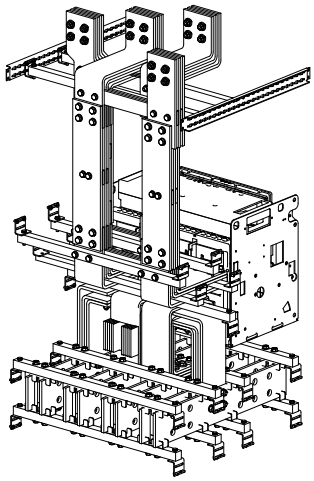
- The measuring module is mounted directly above the circuit breaker. Where necessary, the module can be equipped with DIN rails, larger devices and meters can directly be fixed at the rear panel of the module. Optionally, the module can either be installed in a fixed way or it can be fixed in the cabinet using the hinges included in the mounting kit. Using the hinges provides optimal access to the measuring transformers placed behind the module in case of inspections or whenever else access is required.
  Pre-punched areas that can be used for control wiring will make it easier to do the jobs when mounting the system.

Cable connection

- Cable connection is done in a cost-saving way, directly at flat copper rails horizontally placed in the cabinet, which optionally run from the back of the switch to the rear panel of the cabinet. If more space is required for connection cables, connecting rails can be run under the switch, so the entire section depth of the cabinet will be available. If this is still not sufficient, there is a possibility to add an extra section at the rear and to run the rail connection system across both sections.



XP_stacked_Katalog_3



XP_single_Katalog_3

Powering Business Worldwide

Planning Notes Power Loss IZMX16, IZMX40

IZMX16	In in A	Breaking capacity	Power loss at In when fixed in W	Power loss at In when withdrawable in W
	630	B = Basic	36	50
	800	B = Basic	59	80
	1000	B = Basic	92	125
	1200	B = Basic	132	180
	1600	B = Basic	235	320
	630	N = Normal	36	50
	800	N = Normal	59	80
	1000	N = Normal	92	125
	1200	N = Normal	132	180
	1600	N = Normal	235	320
	630	H = High	36	50
	800	H = High	59	80
	1000	H = High	92	125
	1200	H = High	132	180
	1600	H = High	235	320

IZMX40	in A	Breaking capacity	Power loss at In when fixed in W	Power loss at In when withdrawable in W
	800	B = Basic	90	135
	1000	B = Basic	135	120
	1200	B = Basic	135	180
	1600	B = Basic	225	300
	2000	B = Basic	285	345
	2500	B = Basic	300	450
	3200	B = Basic	480	720
	4000	B = Basic	750	1120
	800	N = Normal	90	135
	1000	N = Normal	90	120
	1200	N = Normal	135	180
	1600	N = Normal	225	300
	2000	N = Normal	285	345
	2500	N = Normal	300	450
	3200	N = Normal	480	720
	4000	N = Normal	750	1120
	800	H = High	90	135
	1000	H = High	90	120
	1200	H = High	135	180
	1600	H = High	225	300
	2000	H = High	285	345
	2500	H = High	300	450
	3200	H = High	480	720
	4000	H = High	750	1120

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Planning notes on power loss with IZM63

IZM63	In in A	Breaking capacity	Power loss at In when fixed in W	Power loss at In when withdrawable in W
	4000	N = Normal	380	750
	5000	N = Normal	400	1000
	6000	N = Normal	620	1550
	4000	H = High	380	750
	5000	H = High	400	1000
	6000	H = High	620	1550

Powering Business Worldwide

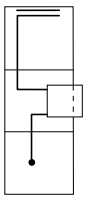
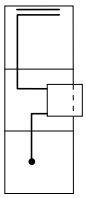
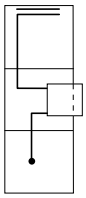
Short-Circuit Strength for Circuit Breakers IZMX16/40 and IZM63

Circuit breaker	Installation type	I_e up to A	Category Breaking capacity / Additional equipment	Short-circuit strength at 400 V AC I_{cc} kA	I_{cw} kA (1 s)	I_{cu} kA (only for switchgear)
IZMX16			B	65	42	42
			N	65	42	50
			H	65	42	65
IZMX40	Fixed, with-drawable	800	B	66	66	66
			N	85	85	85
			H	105	85	105
		1000	B	66	66	66
			N	85	85	85
			H	105	85	105
		1200	B	66	66	66
			N	85	85	85
			H	105	85	105
		1600	B	66	66	66
			N	85	85	85
			H	105	85	105
		2000	B	66	66	66
			N	85	85	85
			H	105	85	105
		2500	B	66	66	66
			N	85	85	85
			H	105	85	105
		3200	B	66	66	66
			N	85	85	85
			H	105	85	105
		4000	B	66	85	85
			N	85	85	85
			H	105	85	105

Circuit breaker	Installation type	I_e up to A	Category Breaking capacity / Additional equipment	Short-circuit strength at 440 V AC I_{cc} kA	at 690 V AC I_{cc} kA	I_{cw} kA (1 s)	I_{cu} kA (only for switchgear)
IZM63	with-drawable	4000	N	85	-	85	85
			H	100	85	100	100
		5000	N	85	-	85	85
			H	100	85	100	100
		6300	N	85	-	85	85
			H	100	85	100	100

EATON Powering Business Worldwide

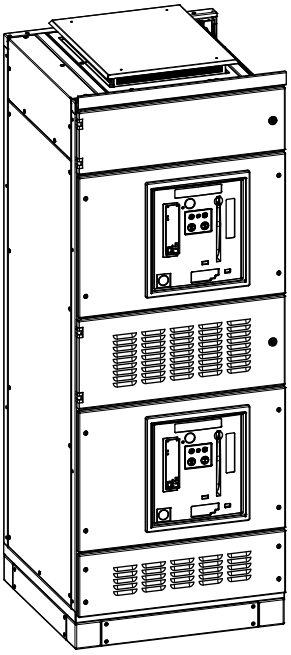
Current Load for Circuit Breaker IZMX16/40 and IZM63, carried out as Single Solution

Configuration	Circuit breaker	Installation type	I_e up to	Degree of protection	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution sections		
			A		25°C	35°C	50°C
					A	A	A
 00122507_0	IZMX16	Fixed, Drawer u.	1000	IP31 with protect. top cover XAD…	1000	1000	689/896[1]
				IP42 with protect. top cover XAD…	1000	983	862
				IP55	920	865	828
			1250	IP31 with protect. top cover XAD…	1250	1250	931/1210[1]
				IP42 with protect. top cover XAD…	1250	1250	1164
				IP55	1240	1168	1117
			1600	IP31 with protect. top cover XAD…	1600	1550	1000/1370[1]
				IP42 with protect. top cover XAD…	1600	1530	1280
				IP55	1420	1342	1200
 00122507_0	IZMX40	Fixed, Drawer u.	1600	IP31 with protect. top cover XAD…	1600	1600	1600
				IP42 with protect. top cover XAD…	1600	1600	1600
				IP55	1600	1600	1600
			2000	IP31 with protect. top cover XAD…	2000	2000	2000
				IP42 with protect. top cover XAD…	2000	2000	2000
				IP55	2000	2000	2000
			2500	IP31 with protect. top cover XAD…	2500	2400	2150
				IP42 with protect. top cover XAD…	2440	2300	2060
				IP55	2100	1980	1750
			3200	IP31 with protect. top cover XAD…	3060	2888	2520
				IP42 with protect. top cover XAD…	2930	2760	2420
				IP55	2480	2340	1950
			4000	IP31 with protect. top cover XAD…	3870	3650	3250
				IP42 with protect. top cover XAD…	3710/3830[2]	3500/3610[2]	3116/3214[2]
				IP55	2860[2]	2700[2]	2400[2]
 00122507_0	IZM63	Drawer u.	6300	IP31 with ventilated top cover	4982	4700	4350
				IP31 with closed top cover	4399	4150	3800
				IP42 with ventilated top cover	4982	4700	4350
				IP42 with closed top cover	4399	4150	3800
				I55	4399	4150	3800

[1] = with ACB plastic cover
[2] = with cooling element

EATON Powering Business Worldwide

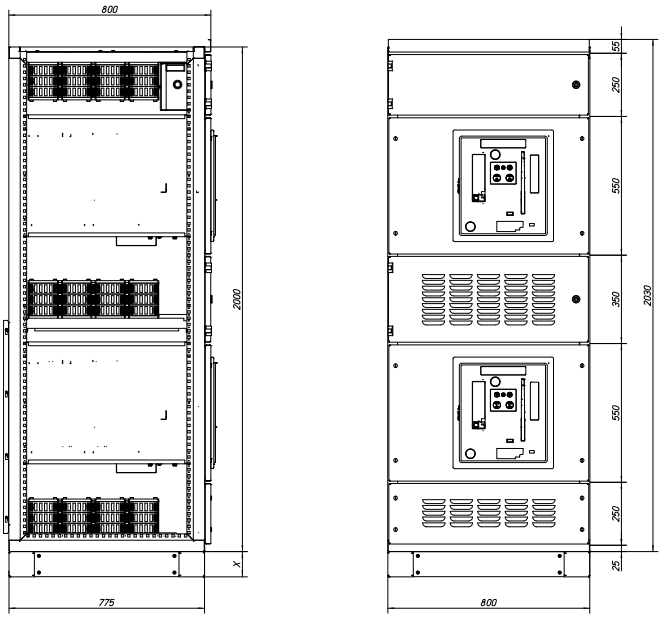
XP Power Sections with 2x IZMX40 carried out as Stacked ACB Solution



XP_stacked_Katalog_2a

For air circuit breaker IZMX 40:

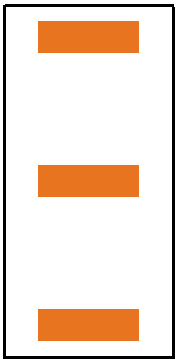
- in withdrawable design
- in fixed design
- as 3-pole, 4-pole or 3P+N version
  thanks to a switch they can be realised as incoming, outgoing or coupler sections
- with up to 3 main busbars per cabinet



XP_stacked_Katalog_1

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section.
- Section width: 800mm (3-pole), 1000mm (3-pole, 4-pole, 3P+N)
  Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



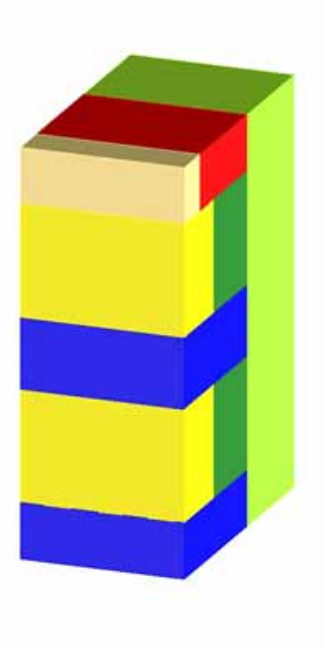
Stacked_Cu_Schematik_1

Main busbar

- Positions possible: top, center, bottom
- From 1x30/10 up to max 12x30/10 Cu

Powering Business Worldwide

XP Power Sections with 2x IZMX40 designed as Stacked ACB Solution



XP_Funktionsraeume_stacked

Functional areas XP Stacked

Yellow: Switchgear area ACB

Green: Connection area

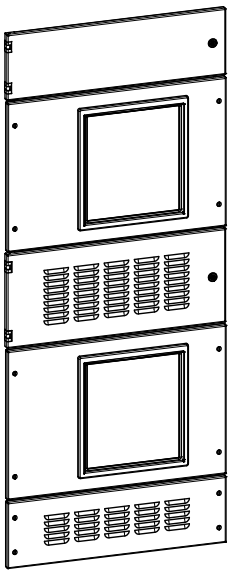
Ochre: Metering compartment

Red: Busbar area at the top

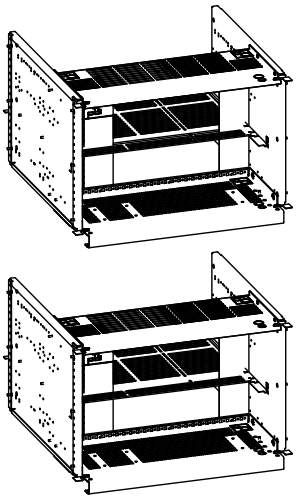
Blue: Busbar at the center or bottom

Layout and internal separation up to Form 4/Type7

- Ready-to-install partition panels for section equipment up to Form 4/Type 7
- Clear division of functional areas
- Operation of the switch from outside
- You can either use a snap-on cover or a module door for the switches
- Wiring module with H = 250mm in front of the main busbars at the top or bottom, optionally it can be replaced by a partition panel
  The wiring module can be equipped with a cable duct for crosswiring
- All doors are equipped with a locking handle and a 3mm two-way key-bit lock

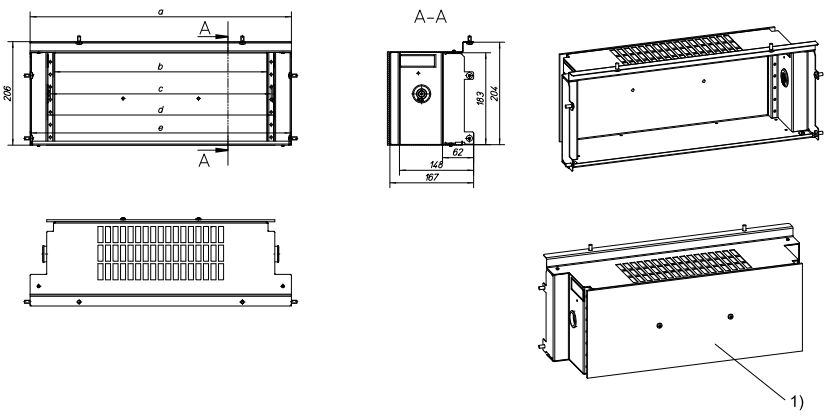


XP_stacked_Katalog_2b



Wiring module

- With the main busbar at the top or bottom - depending on the application - the wiring module can be mounted in front of the main busbar. Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.



XP_AUX_Compartment

1) Additional insulating partition at the rear

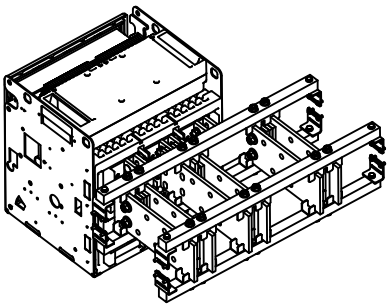
	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

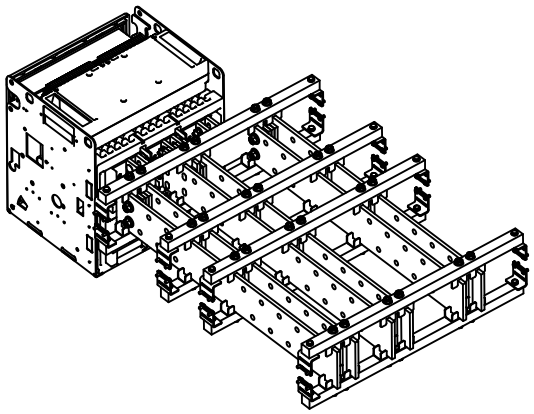
Powering Business Worldwide

XP Power Sections with 2x IZMX40 designed as Stacked ACB Solution

Cable connection

- Cable connection is done in a cost-saving way, directly at flat copper rails horizontally placed in the cabinet, which optionally run from the back of the switch to the rear panel of the cabinet. Connection cables run in the cable connection section which must always be installed when a Stacked ACBs solution is used. Should the Cu connection system not provide sufficient space to accommodate all connection cables of the connection system, it is possible to run the bar connection system across both sections and to increase the connection area that way.





XP_stacked_Katalog_3

Powering Business Worldwide

Planning Notes Power Loss IZMX16, IZMX40

IZMX16	In	Breaking capacity	Power loss at In when fixed	Power loss at In when withdrawable
		in A	in W	in W
	630	B = Basic	36	50
	800	B = Basic	59	80
	1000	B = Basic	92	125
	1200	B = Basic	132	180
	1600	B = Basic	235	320
	630	N = Normal	36	50
	800	N = Normal	59	80
	1000	N = Normal	92	125
	1200	N = Normal	132	180
	1600	N = Normal	235	320
	630	H = High	36	50
	800	H = High	59	80
	1000	H = High	92	125
	1200	H = High	132	180
	1600	H = High	235	320

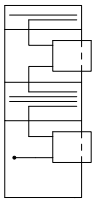
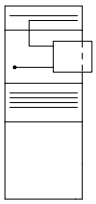
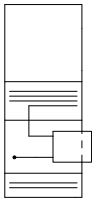
IZMX40		Breaking capacity	Power loss at In when fixed	Power loss at In when withdrawable
	in A		in W	in W
	800	B = Basic	90	135
	1000	B = Basic	135	120
	1200	B = Basic	135	180
	1600	B = Basic	225	300
	2000	B = Basic	285	345
	2500	B = Basic	300	450
	3200	B = Basic	480	720
	4000	B = Basic	750	1120
	800	N = Normal	90	135
	1000	N = Normal	90	120
	1200	N = Normal	135	180
	1600	N = Normal	225	300
	2000	N = Normal	285	345
	2500	N = Normal	300	450
	3200	N = Normal	480	720
	4000	N = Normal	750	1120
	800	H = High	90	135
	1000	H = High	90	120
	1200	H = High	135	180
	1600	H = High	225	300
	2000	H = High	285	345
	2500	H = High	300	450
	3200	H = High	480	720
	4000	H = High	750	1120

Short-Circuit Strength for Circuit Breakers/Switchgear

Circuit breaker	Installation type	I_e up to A	Category Breaking capacity/ additional equipment	Short-circuit strength at 400 V AC I_{cc} kA	I_{cw} kA (1 s)	I_{cu} kA (only for switchgear)
IZMX16			B	65	42	42
			N	65	42	50
			H	65	42	65
IZMX40	Fixed, Withdrawabl	800	B	66	66	66
			N	85	85	85
			H	-	-	-
		1000	B	66	66	66
			N	85	85	85
			H	-	-	-
		1200	B	66	66	66
			N	85	85	85
			H	-	-	-
		1600	B	66	66	66
			N	85	85	85
			H	-	-	-
		2000	B	66	66	66
			N	85	85	85
			H	-	-	-
		2500	B	66	66	66
			N	85	85	85
			H	-	-	-
		3200	B	66	66	66
			N	85	85	85
			H	-	-	-
		4000	B	66	85	85
			N	85	85	85
			H	-	-	-

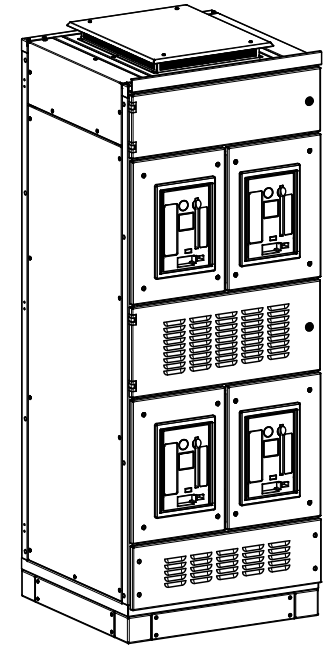
EATON Powering Business Worldwide

Current Load for Circuit breakers IZMX16/40, designed as Stacked Solution

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection rent I depending on am-	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution sections 25°C A	35°C A	50°C A
Accomplishment: Stacked ACB with both switches							
 XP_stacked_beide_Schalter	IZMX40 (top)	Fixed, Drawer u.	4000	IP31 with protect. top cover XAD…	3070	2900	2693
				IP42 with protect. top cover XAD…	3070	2900	2582
				IP55	2540	2400	1989
	IZMX40 (bott))	Fixed, Drawer u.	4000	IP31 with protect. top cover XAD…	2970	2800	2600
				IP42 with protect. top cover XAD…	2970	2800	2493
				IP55	2440	2300	1920
Accomplishment: Stacked ACB with one switche above							
 XP_stacked_ACB_1_Schalter_oben	IZMX40 (top)	Fixed, Drawer u.	4000	IP31 with protect. top cover XAD…	3390	3200	2971
				IP42 with protect. top cover XAD…	3390	3200	2849
				IP55	2620	2469	2194
Accomplishment: Stacked ACB with one switche below							
 XP_stacked_ACB_1_Schalter_unten	IZMX40(bott)	Fixed, Drawer u.	4000	IP31 with protect. top cover XAD…	3390	3200	2971
				IP42 with protect. top cover XAD…	3390	3200	2849
				IP55	2620	2469	2194

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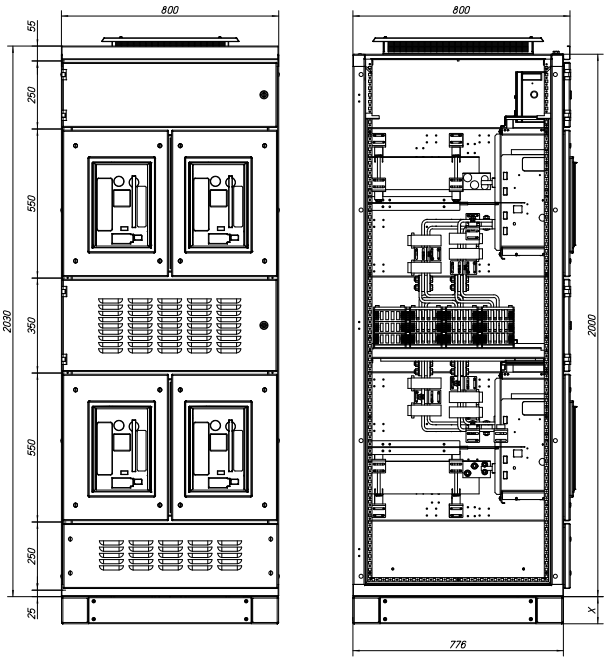
XP Power Sections with 4x IZMX16 carried out as Stacked ACB Solution



XP_4xIZMX16_3pW_stackedACB

For air circuit breaker IZMX 16:

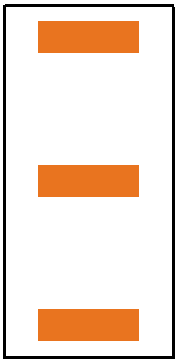
- in withdrawable design
- in fixed design
- as 3-pole, 4-pole or 3P+N version
  they can be realised as incoming, outgoing or coupler switches
- with up to 3 main busbars per cabinet



XP_4xIZMX16_stackedACB_Mas

Dimensions

- Section depth: 800mm
  You must add a cable guidance cabinet at the back of the XP section.
- Section width: 800mm (3-pole), 1000mm (4-pole, 3P+N)
  Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



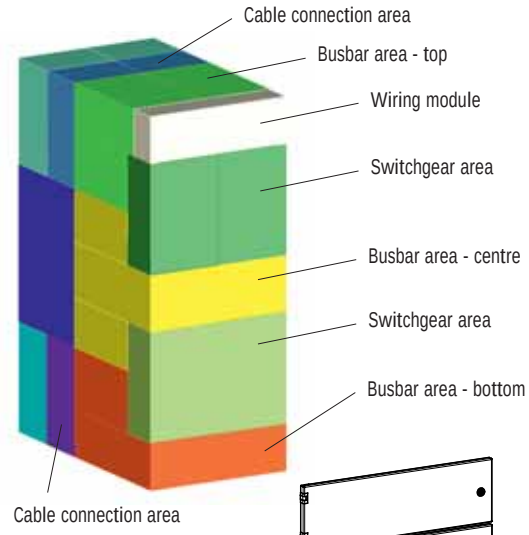
Stacked_Cu_Schematik_1

Main busbar

- Positions possible: top, center, bottom
- From 1x30/10 up to max 12x30/10 Cu

Powering Business Worldwide

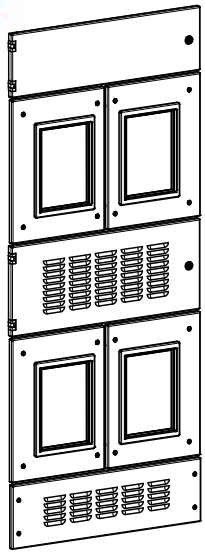
XP Power Sections with 4x IZMX16 carried out as Stacked ACB Solution



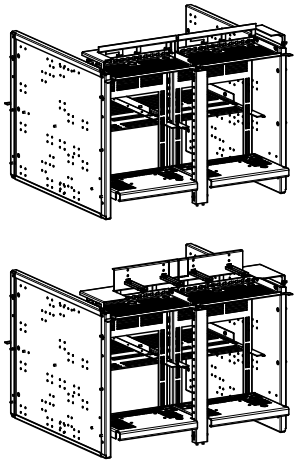
XP_Funktionsraeume_4x_stacked

Layout and internal separation up to Form 4/Type7

- Ready-to-install partition panels for section equipment up to Form 4/Type 7
- Clear division of functional areas
- Operation of the switch from outside
- Wiring module with H = 250mm in front of the main busbars at the top or bottom, optionally it can be replaced by a partition panel
  The wiring module can be equipped with a cable duct for crosswiring
- All doors are equipped with a locking handle and a 3mm two-way key-bit lock



XP_4xIZMX16_3pW_stackedACB

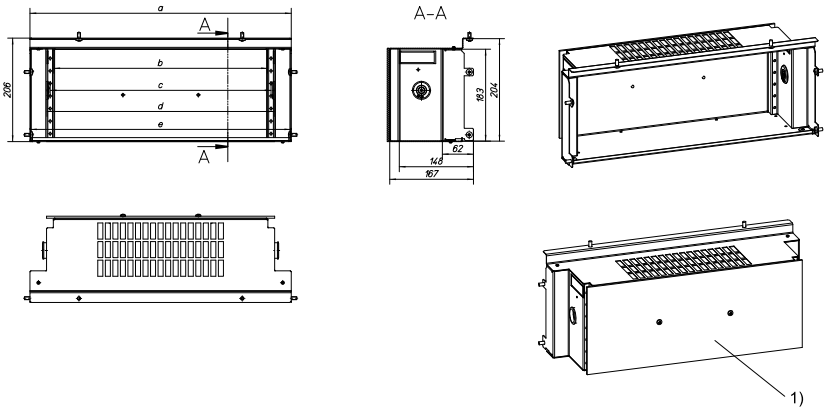


Compact fitting kits for fixed and withdrawable switchgear

It is not possible to mix fixed and withdrawable switchgear on the same mounting level. But you can set up the different mounting levels in a different way, e.g. fixed switchgear at the top and withdrawable switchgear at the bottom.

Wiring module

- With the main busbar at the top or bottom - depending on the application - the wiring module can be mounted in front of the main busbar. Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.



XP_AUX_Compartment

	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

1) Additional insulating partition at the rear

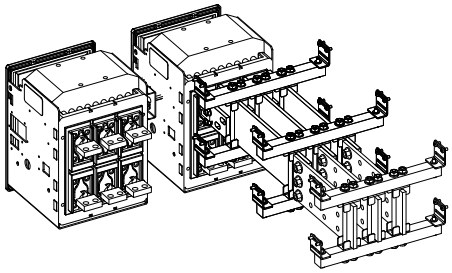
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XP Power Sections with 4x IZMX16 carried out as Stacked ACB Solution

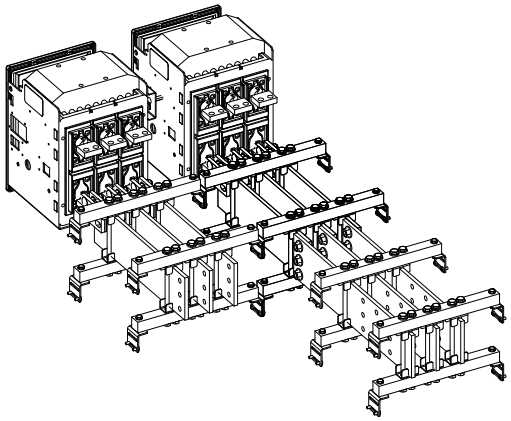
Cable connection

- Cable connection is done in a cost-saving way, directly at flat copper rails horizontally placed in the cabinet, which run from the back of the switch to the rear panel of the cabinet. Connection cables run in the cable connection section which must always be installed when a Stacked ACBs solution is used. Should the Cu connection system not provide sufficient space to accommodate all connection cables of the connection system, it is possible to run the bar connection system across both sections and to increase the connection area that way.

Short connection version



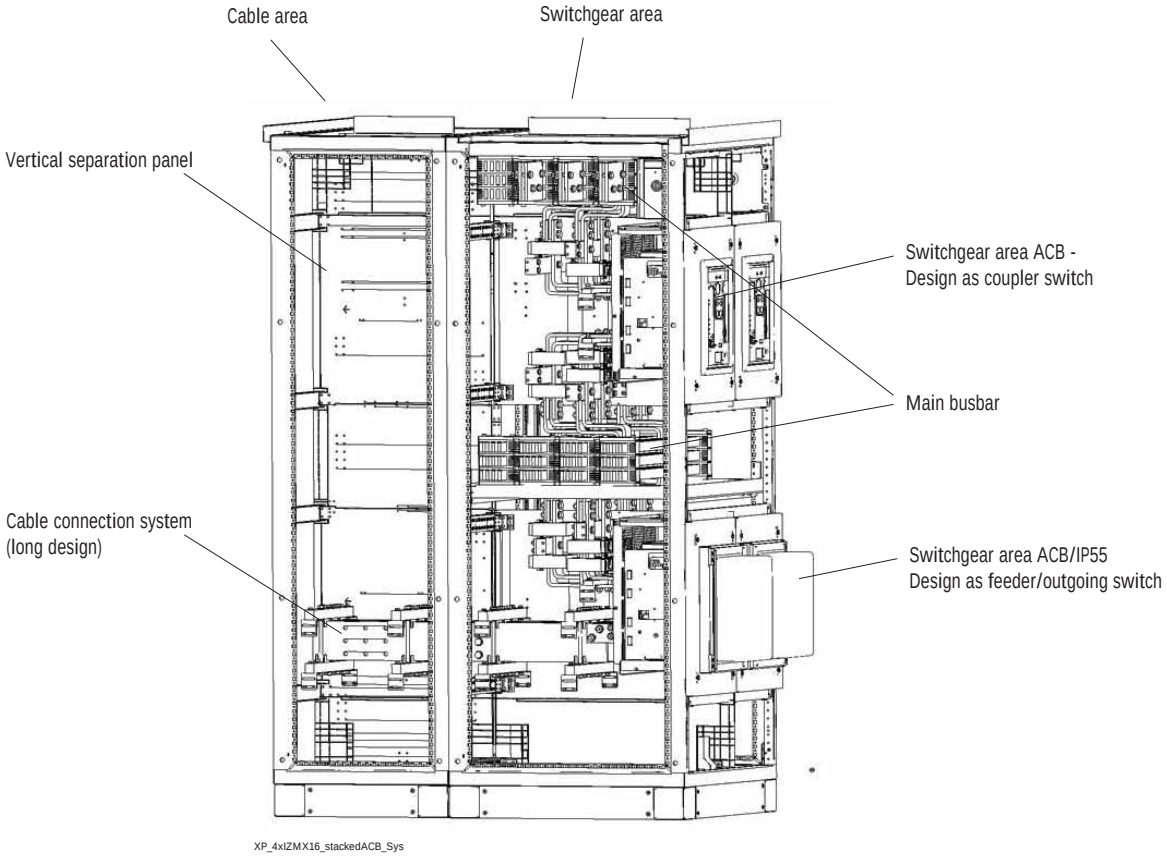
Long connection version



XP_4xIZMX16_stackedACB_Anschl

System explanation

- Each switch can be used individually, either as a feeder, outgoing or coupler switch between two main busbars.
- The length of the cable connection copper can be adjusted to the respective situation. Therefore it can be arranged for cable connection from the top/bottom or from both sides. Depending on the connection situation, the partitions can also be placed in the cable area and adjusted in depth. Each functional area can be completely partitioned with regard to any adjacent areas, therefore it is possible to provide a maximum of internal separation and safety (i.e. up to Form 4/Type 7).
- The setup of the internal separations / partition panels must be carried out in accordance with the respective work instructions.
- Current transformers can be used in each configuration (for standard transformer sizes / position of installation please refer to the respective building instruction).



XP_4xIZMX16_stackedACB_Sys

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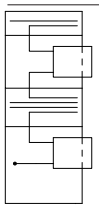
Planning Notes Power Loss IZMX16, IZMX40

IZMX16	In	Breaking capacity in A	Power loss at In when fixed in W	Power loss at In when withdrawable in W
	630	B = Basic	36	50
	800	B = Basic	59	80
	1000	B = Basic	92	125
	1200	B = Basic	132	180
	1600	B = Basic	235	320
	630	N = Normal	36	50
	800	N = Normal	59	80
	1000	N = Normal	92	125
	1200	N = Normal	132	180
	1600	N = Normal	235	320
	630	H = High	36	50
	800	H = High	59	80
	1000	H = High	92	125
	1200	H = High	132	180
	1600	H = High	235	320

Short-Circuit Strength for Circuit Breakers/Switchgear

Circuit breaker	Installation type	I_e up to A	Category Breaking capacity/ additional equipment	Short-circuit strength at 400 V AC I_{cc} kA	 I_{cw} kA (1 s)	 I_{cu} kA (only for switchgear)
IZMX16			B	65	42	42
			N	65	42	50
			H	65	42	65

Current Load for Circuit breakers IZMX16, designed as 4-fold Stacked Solution

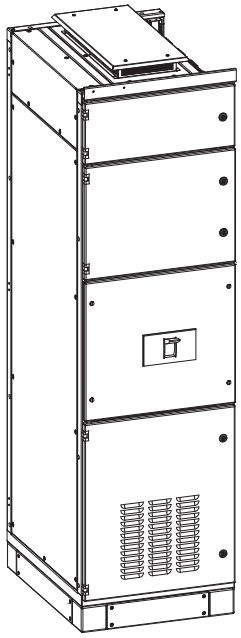
Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection rent I depending on am-	Permitted continuous cur bient temperature and degree of protection of the distribution sections 25°C A	 35°C A	 50°C A
Accomplishment: 4-fold Stacked ACB							
	IZMX16	Fixed, Drawer u.	1600	IP31 with protect. top cover XAD…	1312	1250	1161
				IP42 with protect. top cover XAD…	1312	1250	1113
				IP55	1166	1100	900

XP_stacked_beide_Schalter

Note: Ratings are valid for all four mounting positions

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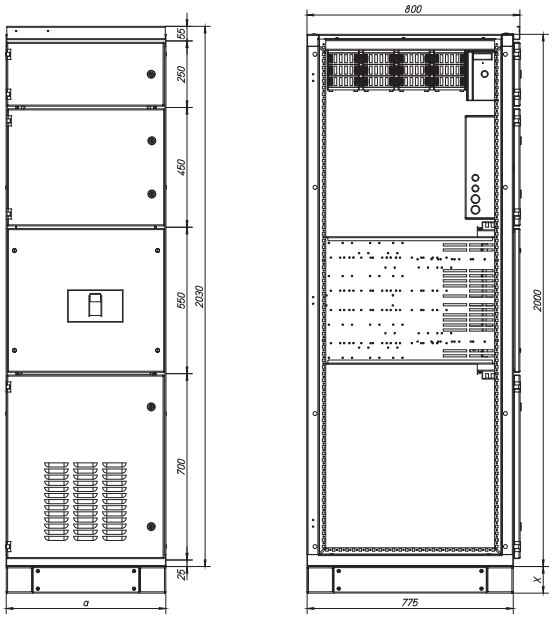
XP Power Sections for Single MCCB of the NZM4 series from 800A to 1600A



Single-NZM4

For NZM4 module circuit breakers:

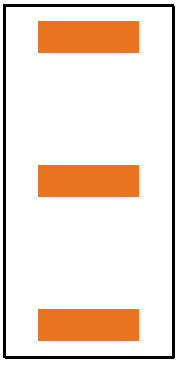
- in fixed design
- in withdrawable design
- in 3-pole, 4-pole or as a 3P+N version
- can be combined with a motor drive
- can be combined with a rotary drive
- can be combined with a mechanical lock
- can be used as a feeder, outgoing or coupler switch
- transformer straps integrated into the copper connection
- Fitting kits/covers for IP31/IP42/IP55



Single-NZM4

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section
- Section width (a): 425, 600mm
- Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



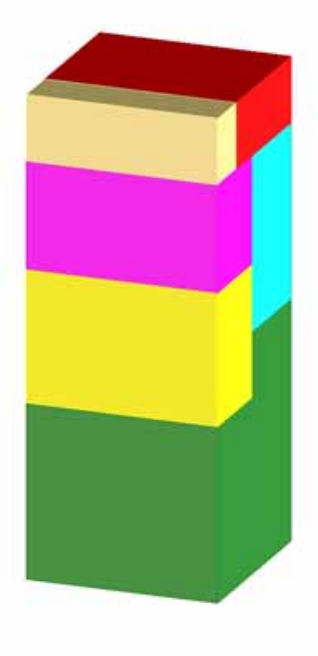
Stacked_Cu_Schematik_1

Main busbar

- possible positions: top, middle, bottom
- from 1x30/10 up to max. 12x30/10 Cu

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XP Power Sections for Single MCCB of the NZM4 series from 800A to 1600A

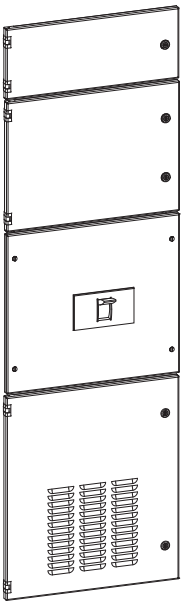


XP_Funktionsraeume

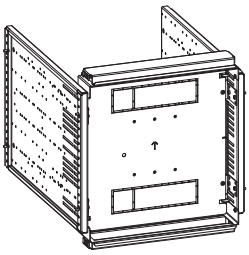
XP single NZM4
Yellow: Switchgear area NZM4
Green: Connection area
Ochre: Metering compartment
Magenta: Switchgear area
Cyan: Connection MCCB - BBT

Structure and internal separation up to Form 4/Type7

- pre-finished partition panels for section design up to Form 4/Type 7
- clear division of the functional areas
- operation of the switchgear from outside
- optionally you can use a snap-on cover or a module door to the circuit breakers
- separate measuring module of H = 450mm, optionally swivel-type or fixed
- separate wiring module of H = 250mm, can optionally be replaced by partition panels
- wiring module can be equipped with a cable duct for cross-wiring
- all doors come as standard with 3mm two-way keybit locks

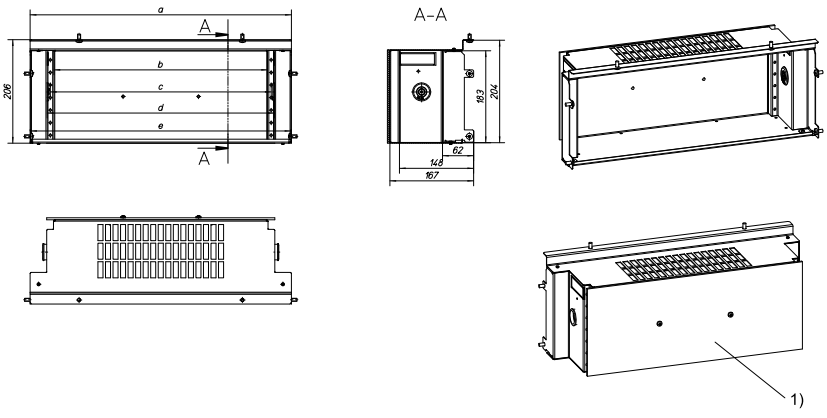


Single-NZM4



Wiring module

- Depending on the application, the wiring module can be mounted in front of the main busbar if the main busbar is positioned either at the top or bottom.
  Where necessary, the module can be equipped with an additional DIN rail, so the different electrical components with DIN rail fixing can conveniently be accommodated. Moreover, the module provides the possibility to install a cable duct for any eventual control or cross-wirings of the system. The duct as such is also made of plastic-coated metal.
  There are also various holes or pre-punched openings prepared in the cable duct to make the wiring of the system easy.



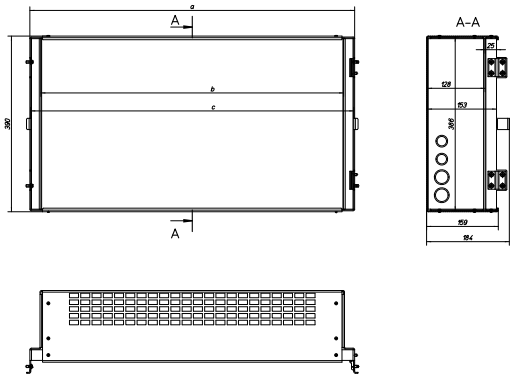
XP_AUX_Compartment

	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

1) Extra insulation partition placed at the rear side

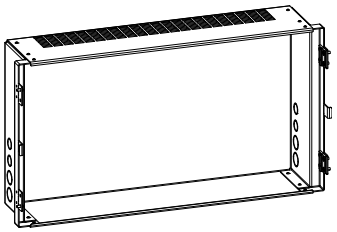
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XP Power Sections for Single MCCB of the NZM4 series from 800A to 1600A



	a	b	c
W425	346	297	342
W600	521	472	517
W800	721	672	717

XP_Messmodul

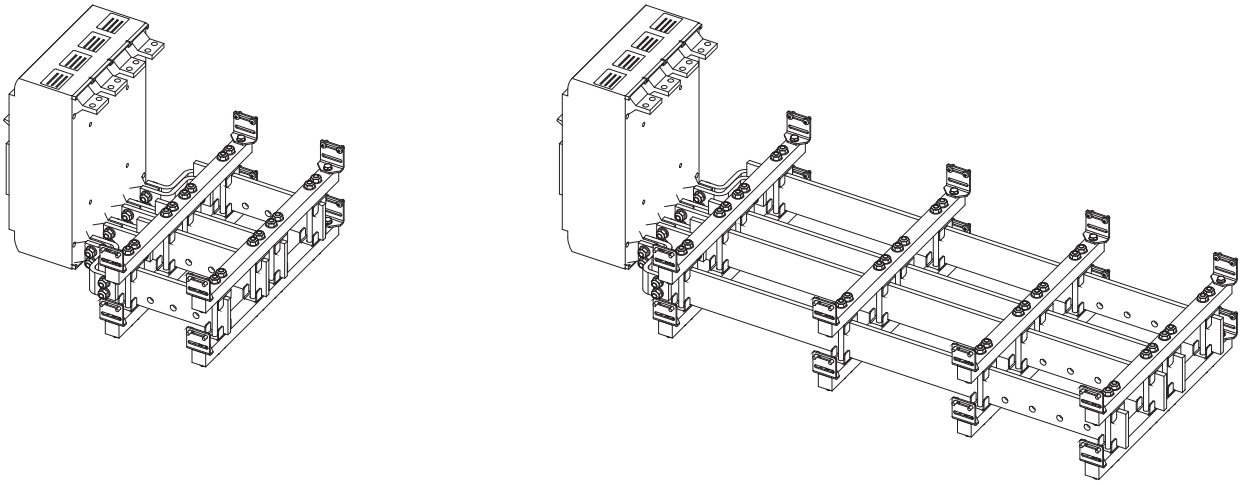


Measuring module

- The measuring module is to be fixed right on top of the circuit breaker. Where necessary, the module can be equipped with DIN rails, larger devices such as measuring meters can directly be fixed at the rear panel of the module. Optionally the module can be firmly fixed, or the hinges included in the mounting kit can be used to fix it in the switchboard. During inspections or whenever necessary, applications using the hinges will provide optimal access to the measuring transformers positioned behind the module.
  Pre-punched openings that can be used for control wiring make it easy to do all the jobs necessary during the assembly of the system.

Cable connection

- Cable connection can be done cost-efficiently on flat copper bars horizontally placed in the switchboard, they can optionally reach from the rear side of the circuit breaker to the rear panel of the switchboard. If you need more space for connection cables, you can run the connection bars below the circuit breaker which makes the whole section depth of the switchboard available. Should this still not provide enough space, you can even add an extra section at the rear and run the bar connection system right across both sections.



Single-NZM4

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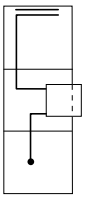
Planning notes - power loss NZM4

NZM4	In in A	Power loss with In fixed in W	Power loss with In withdrawable in W
	800	-	-
	1000	-	-
	1250	-	-
	1600	284	77

Short-circuit strength for circuit breakers/switchgear

Circuit breaker	Installation type	Cross-section of the copper bar system	I_e up to A	Category of breaking capacity	Short-circuit strength I_{cw} kA	I_{cc} at 415V kA	I_{cc} at 480V kA	I_{cc} at 690V kA
NZM4	Fixed, withdraw-able	1x50x10	1200	N	19.2	65	50	50
		2x50x10	1600	H	19.2	65	50	50

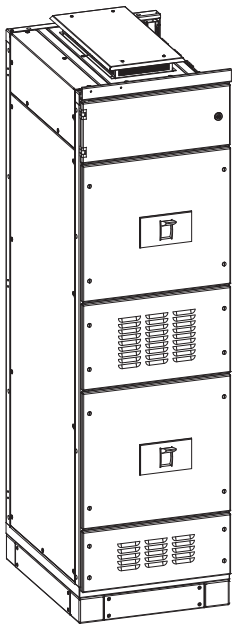
Current load for circuit breaker NZM4, designed as Single solution

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permitted permanent current I depending on the ambient temperature and the degree of protection of the distributor sections 25°C A	35°C A	50°C A
	NZM4	Fixed, withdraw-able	1250	IP31	-	1200	1036
				IP42	-	1200	1226
				IP55	-	1036	1059
			1600	IP31	-	1420	1226
				IP42	-	1420	1226
				IP55	-	1226	1059

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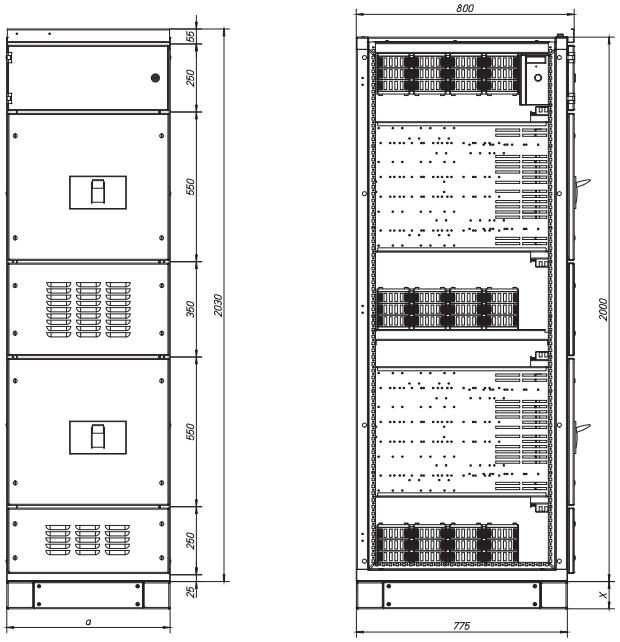
XP Power Sections for 2xMCCB (On top of each other/Stacked) of the NZM4 series from 800A to 1600A



Stacked-NZM4

For NZM4 module circuit breakers:

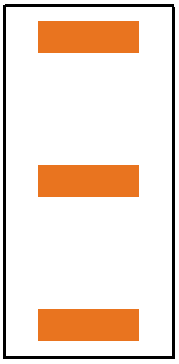
- in fixed design
- in withdrawable design
- in 3-pole, 4-pole or as a 3P+N version
- can be combined with a motor drive
- can be combined with a rotary drive
- can be combined with a mechanical lock
- can be used as a feeder, outgoing or coupler switch
- Fitting kits/covers for IP31/IP42/IP55



Stacked-NZM4

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section
- Section width (a): 425, 600mm
- Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



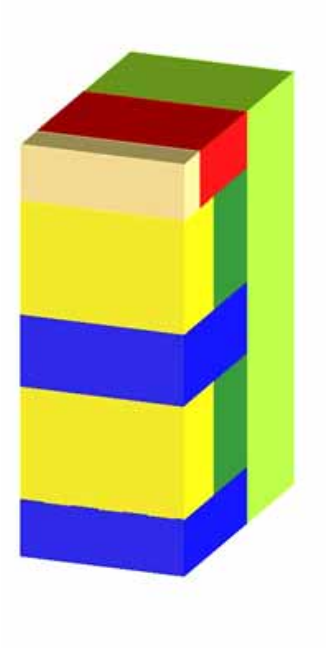
Stacked_Cu_Schematik_1

Main busbar

- possible positions: top, middle, bottom
- from 1x30/10 up to max. 12x30/10 Cu

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XP Power Sections for 2xMCCB (On top of each other/Stacked) of the NZM4 series from 800A to 1600A



XP_Funktionsraeume_stacked

Functional areas XP Stacked

Yellow: Switchgear area NZM4

Green: Connection area

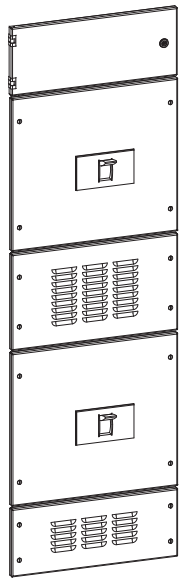
Ochre: Metering compartment

Red: Busbar area at the top

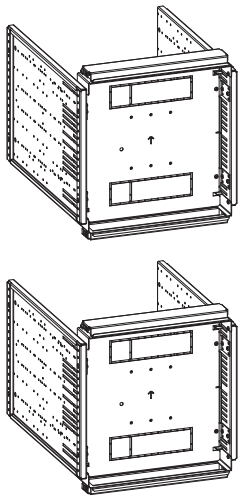
Blue: Busbar in the middle or at the bottom

Structure and internal separation up to Form 4/Type7

- pre-finished partition panels for section design up to Form 4/Type 7
- clear division of the functional areas
- operation of the switchgear from outside
- optionally you can use a snap-on cover or a module door to the circuit breakers
- wiring module of H = 250mm in front of the main busbars at the top or bottom, can optionally be replaced by a partition panel
- wiring module can be equipped with a cable duct for cross- wiring
- all doors come as standard with 3mm two-way keybit locks

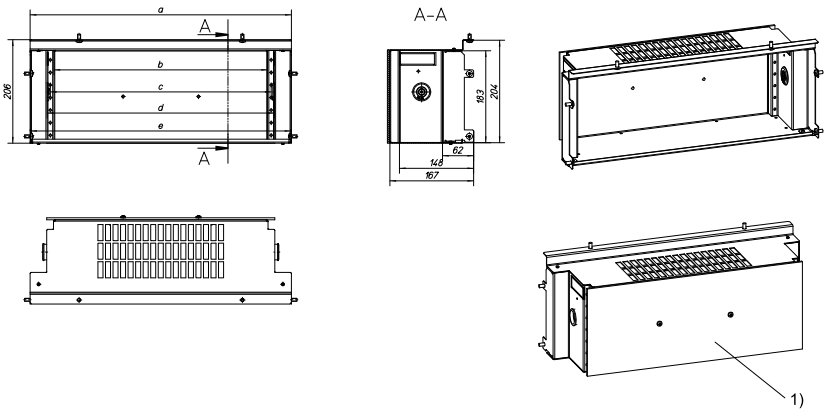


Stacked-NZM4



Wiring module

- Depending on the application, the wiring module can be mounted in front of the main busbar if the main busbar is positioned either at the top or bottom.
  Where necessary, the module can be equipped with an additional DIN rail, so the different electrical components with DIN rail fixing can conveniently be accommodated. Moreover, the module provides the possibility to install a cable duct for any eventual control or cross-wirings of the system. The duct as such is also made of plastic-coated metal.
  There are also various holes or pre-punched openings prepared in the cable duct to make the wiring of the system easy.



XP_AUX_Compartment

	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

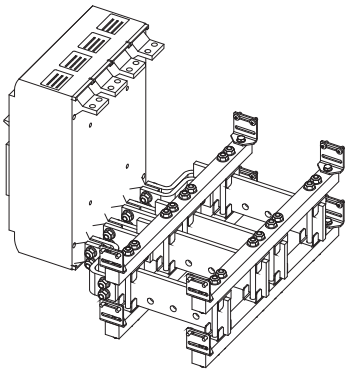
1) Extra insulation partition placed at the rear side

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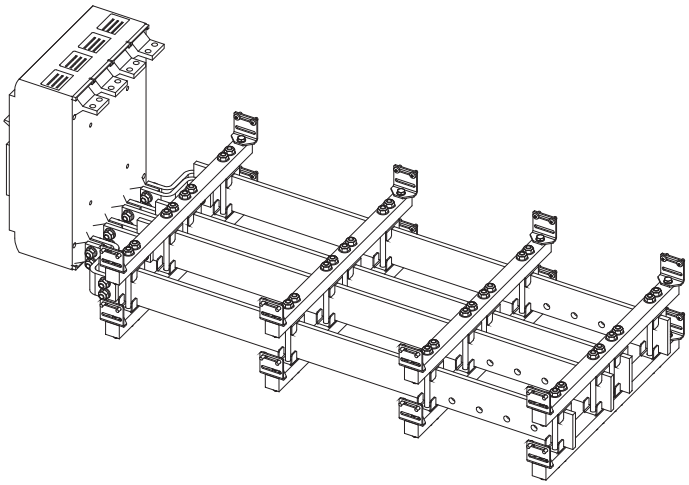
XP Power Sections with 2x IZMX40 designed as Stacked ACB solution

Cable connection

- Cable connection can be done cost-efficiently on flat copper bars horizontally placed in the switchboard, they can optionally reach from the rear side of the circuit breaker to the rear panel of the switchboard cabinet. The connection cables run through the cable connection area which always has to be added in case of a Stacked ACB solution. Should the Cu connection system not provide enough space to connect all connection cables in the connection area you can run the bar connection system through both sections and increase the size of the connection area that way.



Single-NZM4



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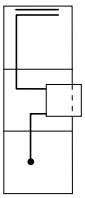
Planning notes - power loss NZM4

NZM4	In in A	Power loss with In fixed in W	Power loss with In withdrawable in W
	800	-	-
	1000	-	-
	1250	-	-
	1600	284	77

Short-circuit strength for circuit breakers/switchgear

Circuit breaker	Installation type	Cross-section of the copper bar system	I_e up to A	Category of breaking capacity	Short-circuit strength I_{cw} kA	I_{cc} at 415V kA	I_{cc} at 480V kA	I_{cc} at 690V kA
NZM4	Fixed, withdraw-able	1x50x10	1200	N	19.2	65	50	50
		2x50x10	1600	H	19.2	65	50	50

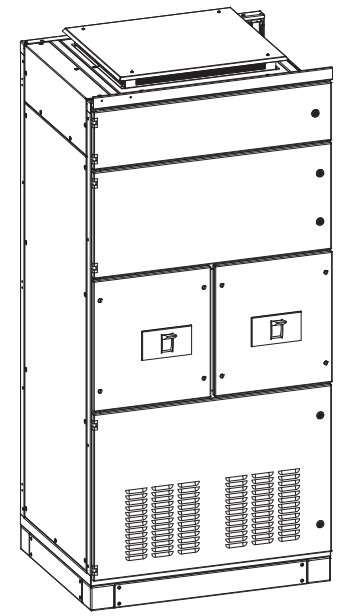
Current load for circuit breaker NZM4, designed as Stacked solution

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permitted permanent current I depending on the ambient temperature and the degree of protection of the distributor sections 25°C A	35°C A	50°C A
	NZM4	Fixed, withdraw-able	1250	IP31	-	930	803
				IP42	-	930	803
				IP55	-	803	761
			1600	IP31	-	1100	950
				IP42	-	1100	950
				IP55	-	950	900

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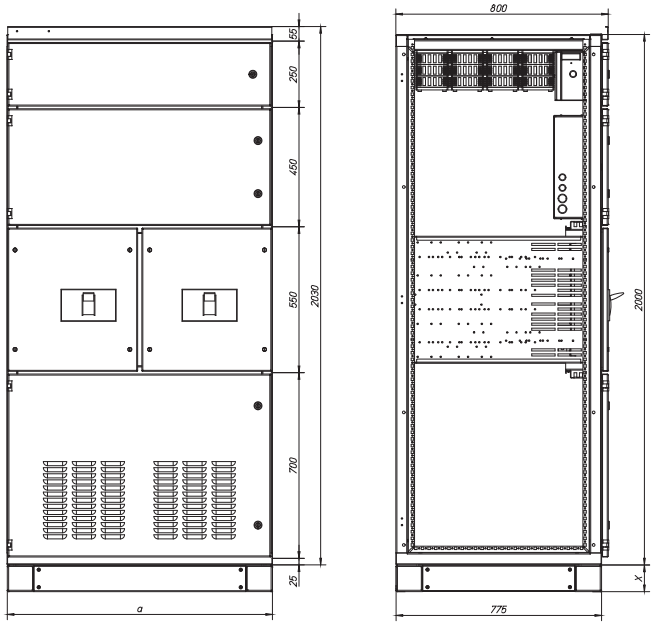
XP Power Sections for 2xMCCB (Side/Side) of the NZM4 series from 800A to 1600A



2xNZM4_SbS

For NZM4 module circuit breakers:

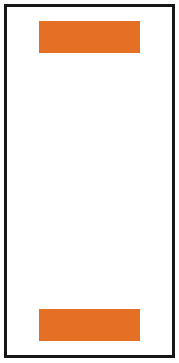
- in fixed design
- in withdrawable design
- in 3-pole, 4-pole or as a 3P+N version
- can be combined with a motor drive
- can be combined with a rotary drive
- can be combined with a mechanical lock
- can be used as a feeder, outgoing or coupler switch
- Fitting kits/covers for IP31/IP42/IP55



2xNZM4_SbS

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section
- Section width (a): 800, 1000mm
- Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



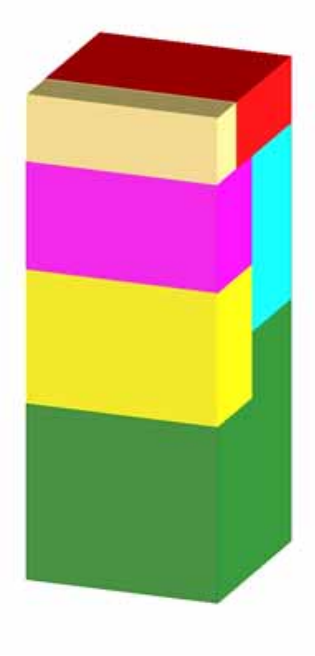
Stacked_Cu_Schematik_7

Main busbar

- possible positions: top, middle, bottom
- from 1x30/10 up to max. 12x30/10 Cu

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XP Power Sections for 2xMCCB (Side/Side) of the NZM4 series from 800A to 1600A

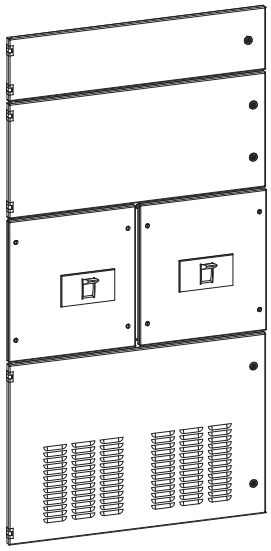


XP_Funktionsraeume

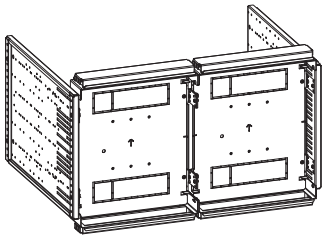
XP single NZM4
Yellow: Switchgear area NZM4
Green: Connection area
Ochre: Metering compartment
Magenta: Switchgear area
Cyan: Connection MCCB - BBT

Structure and internal separation up to Form 4/Type7

- pre-finished partition panels for section design up to Form 4/Type 7
- clear division of the functional areas
- operation of the switchgear from outside
- optionally you can use a snap-on cover or a module door to the circuit breaker
- separate measuring module of H = 450mm, optionally swivel-type or fixed
- separate wiring module of H = 250mm, can optionally be replaced by partition panels
- wiring module can be equipped with a cable duct for cross-wiring
- all doors come as standard with 3mm two-way keybit locks

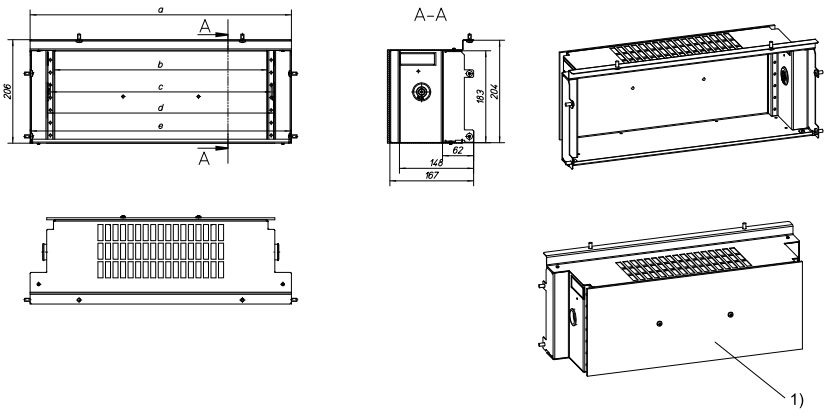


2xNZM4_SbS



Wiring module

- Depending on the application, the wiring module can be mounted in front of the main busbar if the main busbar is positioned either at the top or bottom.
  Where necessary, the module can be equipped with an additional DIN rail, so the different electrical components with DIN rail fixing can conveniently be accommodated. Moreover, the module provides the possibility to install a cable duct for any eventual control or cross-wirings of the system. The duct as such is also made of plastic-coated metal.
  There are also various holes or pre-punched openings prepared in the cable duct to make the wiring of the system easy.



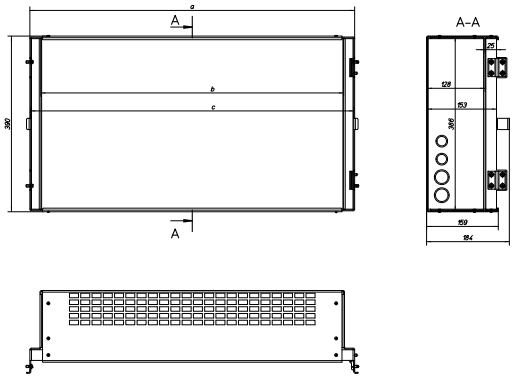
XP_AUX_Compartment

	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

1) Extra insulation partition placed at the rear side

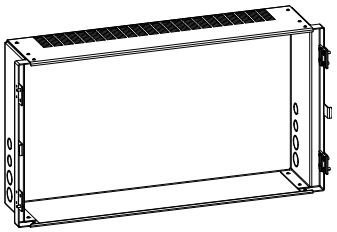
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XP Power Sections for 2xMCCB (Side/Side) of the NZM4 series from 800A to 1600A



	a	b	c
W425	346	297	342
W600	521	472	517
W800	721	672	717

XP_Messmodul

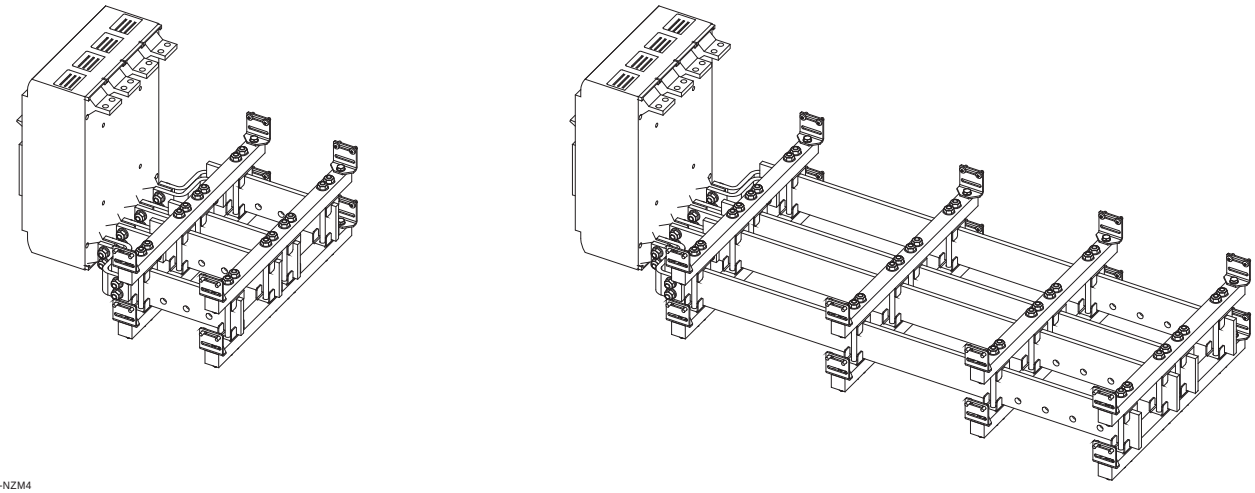


Measuring module

- The measuring module is to be fixed right on top of the circuit breaker. Where necessary, the module can be equipped with DIN rails, larger devices such as measuring meters can directly be fixed at the rear panel of the module. Optionally the module can be firmly fixed, or the hinges included in the mounting kit can be used to fix it in the switchboard. During inspections or whenever necessary, applications using the hinges will provide optimal access to the measuring transformers positioned behind the module.
  Pre-punched openings that can be used for control wiring make it easy to do all the jobs necessary during the assembly of the system.

Cable connection

- Cable connection can be done cost-efficiently on flat copper bars horizontally placed in the switchboard, they can optionally reach from the rear side of the circuit breaker to the rear panel of the switchboard. If you need more space for connection cables, you can run the connection bars below the circuit breaker which makes the whole section depth of the switchboard available. Should this still not provide enough space, you can even add an extra section at the rear and run the bar connection system right across both sections.



Single-NZM4

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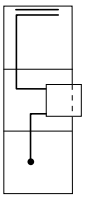
Planning notes - power loss NZM4

NZM4	In in A	Power loss with In fixed in W	Power loss with In withdrawable in W
	800	-	-
	1000	-	-
	1250	-	-
	1600	284	77

Short-circuit strength for circuit breakers/switchgear

Circuit breaker	Installation type	Cross-section of the copper bar system	I_e up to A	Category of breaking capacity	Short-circuit strength I_{cw} kA	I_{cc} at 415V kA	I_{cc} at 480V kA	I_{cc} at 690V kA
NZM4	Fixed, withdraw-able	1x50x10	1200	N	19.2	65	50	50
		2x50x10	1600	H	19.2	65	50	50

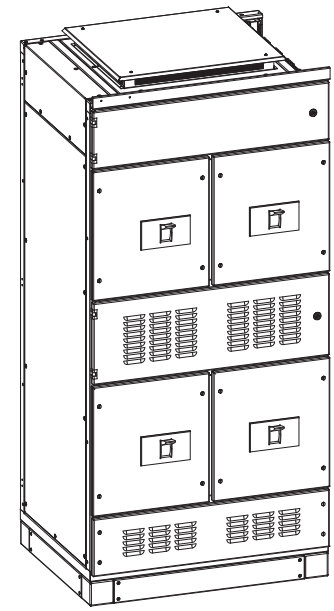
Current load for circuit breaker NZM4, designed as Side/Side solution

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permitted permanent current I depending on the ambient temperature and the degree of protection of the distributor sections 25°C A	35°C A	50°C A
	NZM4	Fixed, withdraw-able	1250	IP31	-	1200	1036
				IP42	-	1200	1036
				IP55	-	1036	895
			1600	IP31	-	1420	1226
				IP42	-	1420	1226
				IP55	-	1226	1059

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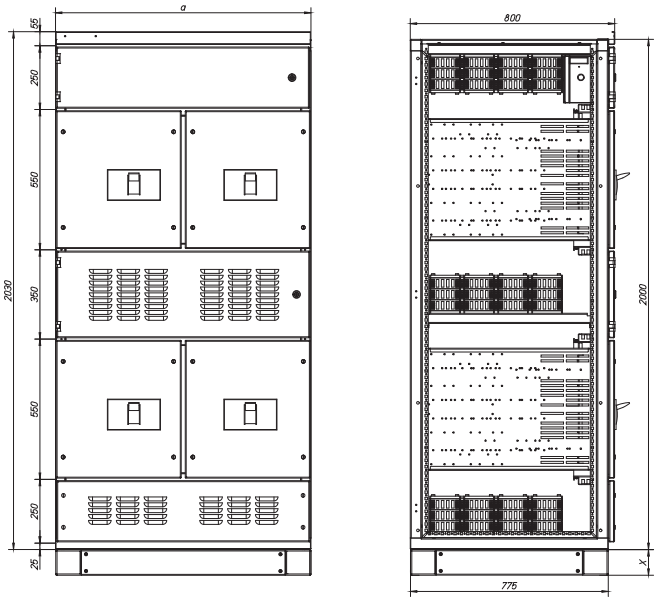
XP Power Sections for 2x2xMCCB (Side/Side/Stacked) of the NZM4 series from 800A to 1600A



4xNZM4

For NZM4 module circuit breakers:

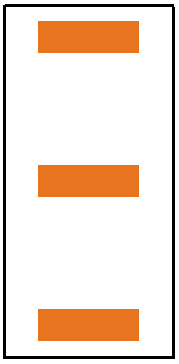
- in fixed design
- in withdrawable design
- in 3-pole, 4-pole or as a 3P+N version
- can be combined with a motor drive
- can be combined with a rotary drive
- can be combined with a mechanical lock
- can be used as a feeder, outgoing or coupler switch
- Fitting kits/covers for IP31/IP42/IP55



4xNZM4

Dimensions

- Section depth: 800mm
  In addition, you can add a cable guidance cabinet at the back of the XP section
- Section width (a): 425, 600mm
- Section height: 2000mm, optionally with a plinth of (x) 100 or 200mm



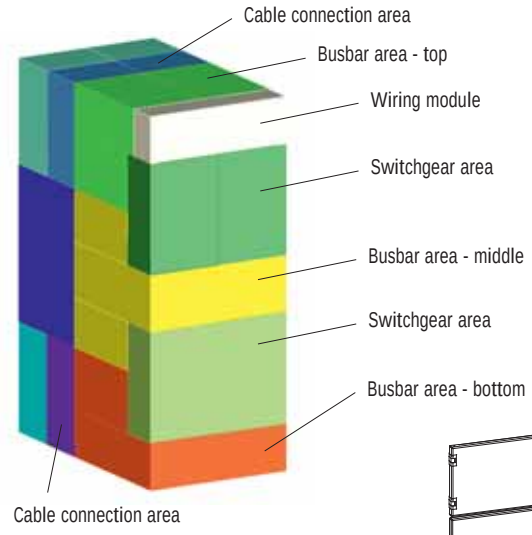
Stacked_Cu_Schematik_1

Main busbar

- possible positions: top, middle, bottom
- from 1x30/10 up to max. 12x30/10 Cu

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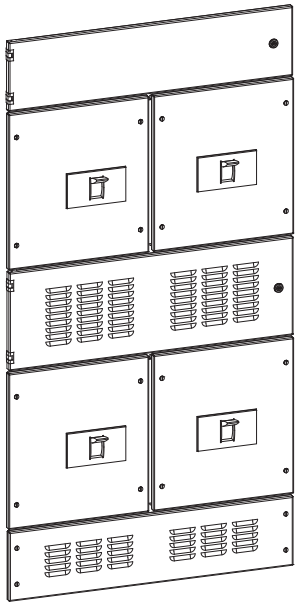
XP Power Sections for 2x2xMCCB (Side/Side/Stacked) of the NZM4 series from 800A to 1600A



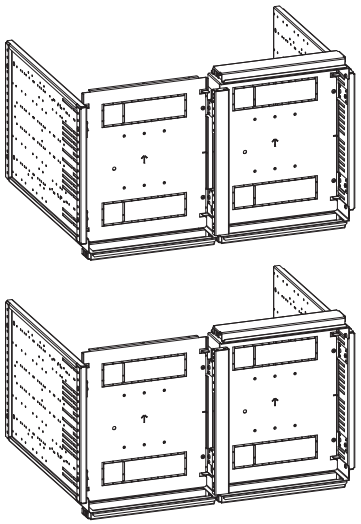
XP_Funktionsraeume_4x_stacked

Structure and internal separation up to Form 4/Type7

- pre-finished partition panels for section design up to Form 4/Type 7
- clear division of the functional areas
- operation of the switchgear from outside
- wiring module of H = 250mm in front of the main busbars at the top or bottom, can optionally be replaced by a partition panel
- wiring module can be equipped with a cable duct for cross- wiring
- all doors come as standard with 3mm two-way keybit locks

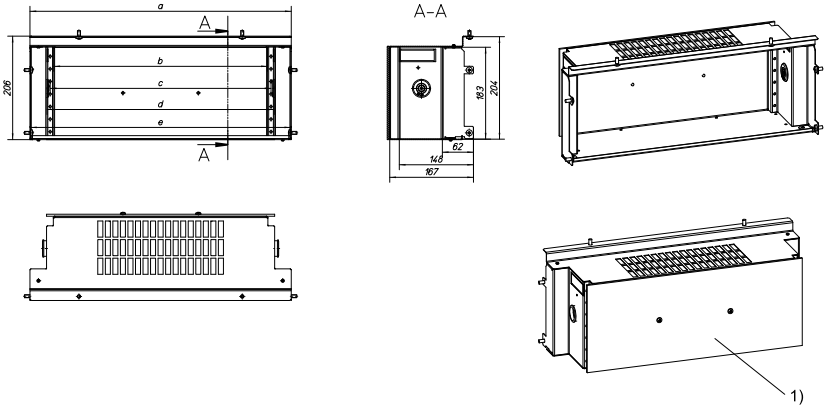


4xNZM4



Wiring module

- Depending on the application, the wiring module can be mounted in front of the main busbar if the main busbar is positioned either at the top or bottom.
  Where necessary, the module can be equipped with an additional DIN rail, so the different electrical components with DIN rail fixing can conveniently be accommodated. Moreover, the module provides the possibility to install a cable duct for any eventual control or cross-wirings of the system. The duct as such is also made of plastic-coated metal.
  There are also various holes or pre-punched openings prepared in the cable duct to make the wiring of the system easy.



	a	b	c	d	e
W425	345	250	265	277	343
W600	520	425	440	452	518
W800	720	625	640	652	718
W1000	920	825	840	852	918
W1100	1020	925	940	952	1018
W1200	1120	1025	1040	1052	1118
W1350	1270	1175	1190	1202	1268

XP_AUX_Compartment

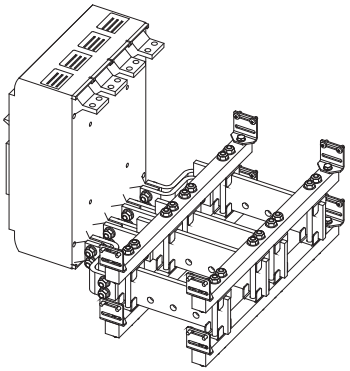
1) Extra insulation partition placed at the rear side

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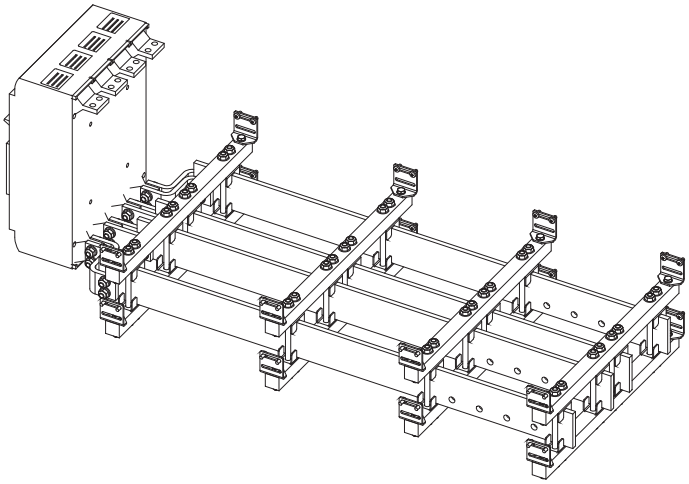
XP Power Sections for 2x2xMCCB (Side/Side/Stacked) of the NZM4 series from 800A to 1600A

Cable connection

- Cable connection can be done cost-efficiently on flat copper bars horizontally placed in the switchboard, they reach from the rear side of the circuit breaker to the rear panel of the switchboard. The connection cables run through the cable connection area which always has to be added in case of a Stacked ACB solution. Should the Cu connection system not provide enough space to connect all connection cables in the connection area you can run the bar connection system through both sections and increase the size of the connection area that way.



Single-NZM4



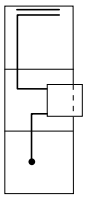
XP Power Sections for 2x2xMCCB (Side/Side/Stacked) of the NZM4 series from 800A to 1600A

NZM4	In in A	Power loss with In fixed in W	Power loss with In withdrawable in W
	800	-	-
	1000	-	-
	1250	-	-
	1600	284	77

Short-circuit strength for circuit breakers/switchgear

Circuit breaker	Installation type	Cross-section of the copper bar system	I_e up to A	Category of breaking capacity	Short-circuit strength I_{cw} kA	I_{cc} at 415V kA	I_{cc} at 480V kA	I_{cc} at 690V kA
NZM4	Fixed, withdraw-able	1x50x10	1200	N	19.2	65	50	50
		2x50x10	1600	H	19.2	65	50	50

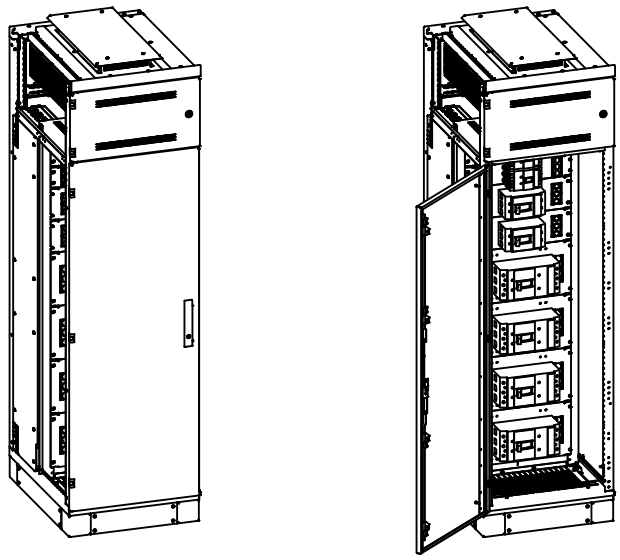
Current load for circuit breaker NZM4, designed as Stacked solution

Configuration	Circuit breaker	Installation type	I_e up to A	Degree of protection	Permitted permanent current I depending on the ambient temperature and the degree of protection of the distributor sections 25°C A	35°C A	50°C A
	NZM4	Fixed, withdraw-able	1250	IP31	-	930	803
				IP42	-	930	803
				IP55	-	803	761

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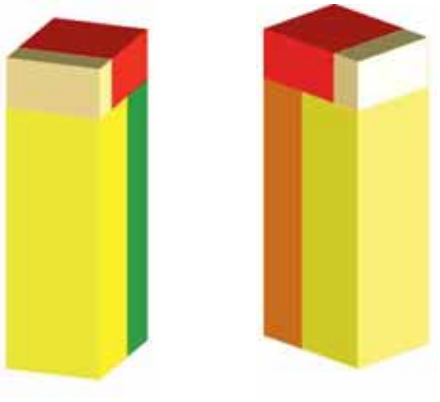
XF Outgoing Sections for Fixed Modules up to 630A, Form 2



XF_Uebersicht

Description of the sections

- Section width 600mm, with an additional cable connection area at the side for section widths of 800/1000mm
- For compact circuit breakers of the NZM 1-3 series in 3-pole, 4-pole and 3P+N version
- In horizontal mounting position
- Wiring module of H = 325mm in front of the main busbar, can optionally be replaced by a partition panel
- internal separation up to Form 2
- On the incoming side, connection is done on a vertically arranged dropper bar system (see instructions). In the rear area of the cabinet, the system of bars is aligned in parallel with the side panel. The dropper bar system is covered with panels and therefore shock-proof.
- With a door across the entire switchgear area; if a cable connection area is installed at the side, it will also be covered with the same door (switchgear area and cable connection area).
- Operation of the switchgear optionally behind the door or from outside with an extension shaft and a rotary door coupling handle.
- Can be configured with an additional cable connection area at the side (in width 800 or 1000mm)
- Even with a cable connection area at the side, there is only one shared wiring module

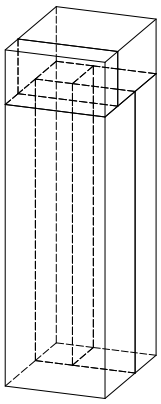


XF_Funktionsraeume_BBT_a

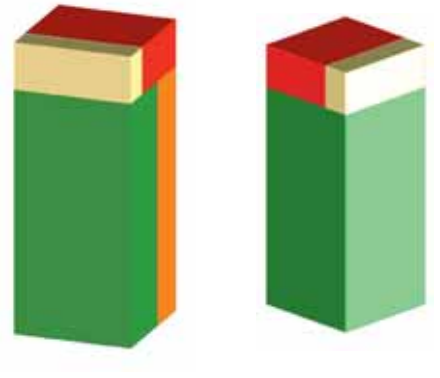
Internal separation/Layout of functional areas in section width of 600mm

Functional XF areas left
W600

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_BBT_b

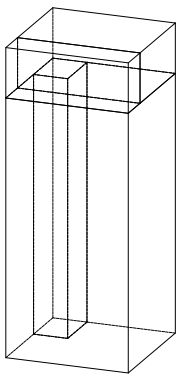


XF_Funktionsraeume_2b_a

Internal separation/Layout of functional areas in section width of 800mm

Functional XF areas 2b left
W800

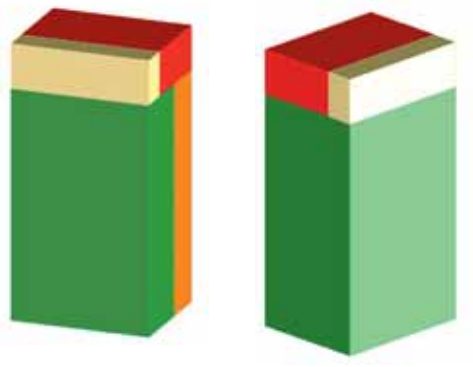
Yellow: Switchgear and cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_2b_b

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XF Outgoing Sections for Fixed Modules up to 630A, Form 2

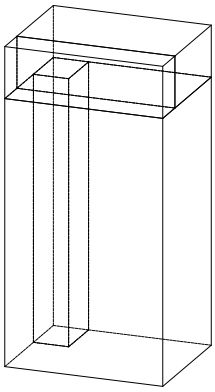


XF_Funktionsraeume_2b_1000_a

Internal separation/Layout of functional areas in section width of 1000mm

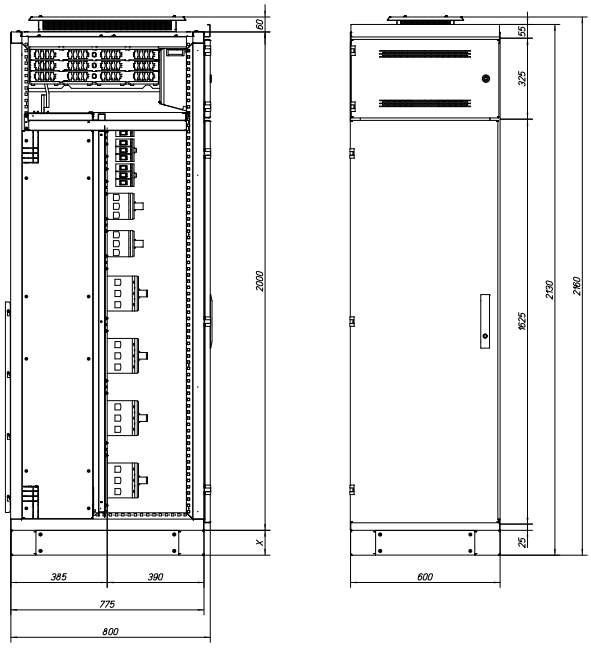
Functional XF areas 2b left
W1000

Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_2b_1000_b

W600



XF_2b_Katalog_1_W600

Dimensions

- Section width: 600mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 390mm
- All modules are arranged on the same level
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter.
- A separation of functional areas (switchgear area/cable connection area) for structural reasons only exists for a cabinet width of 600mm

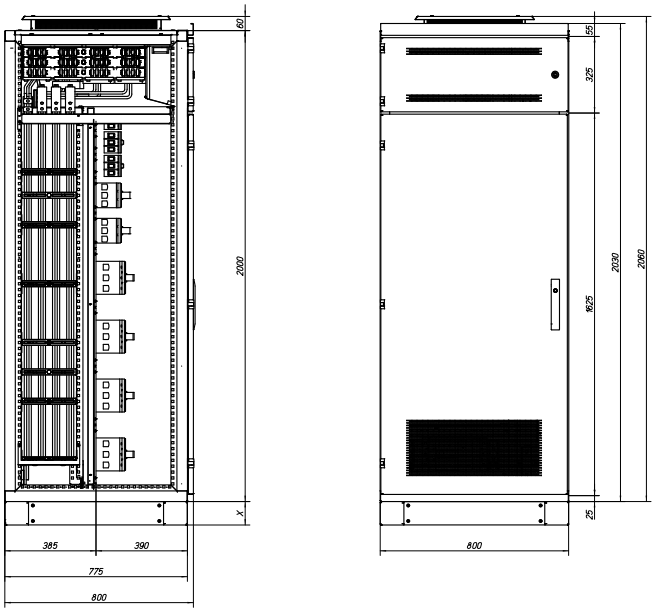
Cable connection area at the rear

- Width = 370mm
- Depth = 385mm
- Cable connection is done at the rear of the system and can be carried out in different ways:
  - With connection at the rear (accessories of NZM circuit breakers); for insulating the rear connection contacts you can use different grommets, shrink sleeves etc.
  - Additional terminal points at the rear of the mounting plate are provided for (e.g. with K150 terminals or terminal blocks, de- pending in the strength and cross-section of the connection cables) to connect the outgoing cables
  - A separation of functional areas (switchgear area/cable connection area) only exists for a cabinet width of 600mm and is due to structural reasons of the mounting plate

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XF Outgoing Sections for Fixed Modules up to 630A, Form 2

W800



XF_2b_W800

Dimensions

- Section width: 800mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

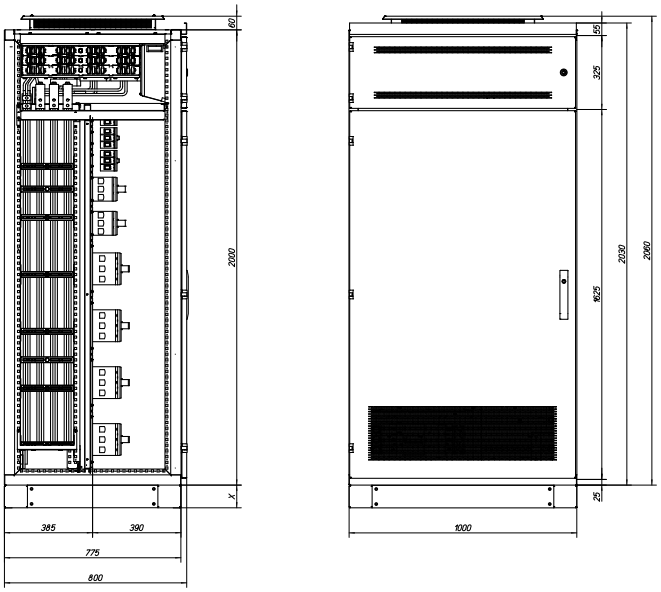
Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 445mm
- All modules are arranged on the same level
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter.
- No separation of the functional areas switchgear area/cable connection area

Cable connection area at the rear

- Width = 370mm
- Depth = 385mm
- No separation of the functional areas switchgear area/cable connection area
  Cable connection is done at the rear of the system and can be carried out in different ways:
  - With connection at the rear (accessories of NZM circuit breakers), for insulating the rear connection contacts you can use different grommets, shrink sleeves etc.
  - Additional terminal points at the rear of the mounting plate are provided for (e.g. with K150 terminals or terminal blocks, depending on the strength and cross-section of the connection cables) to connect the outgoing cables
  - Connection cables can directly be connected to the terminals of the switchgear, there is no additional terminal necessary

W1000



XF_2b_W1000

Dimensions

- Section width: 1000mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 445mm
- All modules are arranged on the same level
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter.
- No separation of the functional areas switchgear area/cable connection area

Cable connection area

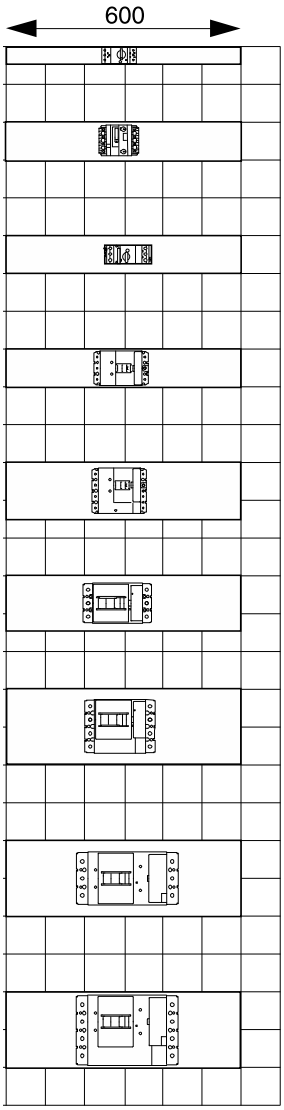
- Width = 570mm
- Depth = 385mm
- No separation of the functional areas switchgear area/cable connection area
- Cable connection is done at the rear of the system and can be carried out in different ways:
  - With connection at the rear (accessories of NZM circuit breakers), for insulating the rear connection contacts you can use different grommets, shrink sleeves etc.
  - Additional terminal points at the rear of the mounting plate are provided for (e.g. with K150 terminals or terminal blocks, depending on the strength and cross-section of the connection cables) to connect the outgoing cables
  - Connection cables can directly be connected to the terminals of the switchgear, there is no additional terminal necessary

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XF Outgoing Sections for Fixed Modules up to 630A, Form 2

XF Outgoing Sections (fixed design) - module heights and equipment: Installation of switchgear in a horizontal way only

Module width



fk4810-1143d_13_13_1A4

Motor protective switch up to **32 A**
Type PKZM0, 2 U = 50 mm

Motor protective switch up to **40 A**

Motor protective switch up to **63 A**
Type PKZM4, 4 U = 100 mm

Circuit breaker up to **160 A, 3-pole**
Type NZM1, 4 U = 100 mm

Circuit breaker up to **160 A, 4-pole**
Type NZM1, 6 U = 150 mm

Circuit breaker up to **300 A, 3-pole**
Type NZM2, 6 U = 150 mm

Circuit breaker up to **300 A, 4-pole**
Type NZM2, 8 U = 200 mm

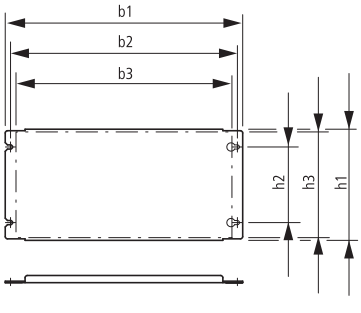
Circuit breaker up to **630 A, 3-pole**
Type NZM3, 8 U = 200 mm

Circuit breaker up to **630 A, 4-pole**
Type NZM3, 10 U = 250 mm

Modules

- Mounting plates - width = 600mm
- Mounting plates prepared for NZM series
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter.

General mounting plates
General mounting plates are available from H = 50mm up to H = 1200mm

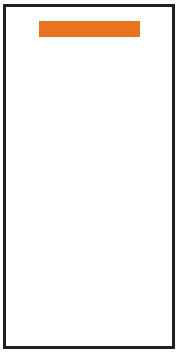


00163815_0

Type	h1	b1	h2	b2	h3	b3
XME0206M	47	489	25	475	40	458
XME0406M	97	489	50	475	90	458
XME0606M	147	489	100	475	140	458
XME0806M	197	489	150	475	190	458
XME1006M	247	489	200	475	240	458
XME1206M	297	489	250	475	290	458
XME1406M	347	489	300	475	340	458
XME1606M	397	489	250	475	390	458
XME2006M	497	489	450	475	490	458
XME2406M	597	489	550	475	590	458
XME3206M	797	489	750	475	790	458
XME3806M	947	489	900	475	940	458
XME4006M	997	489	950	475	990	458
XME4806M	1197	489	1150	475	1190	458

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XF Outgoing Sections for Fixed Modules up to 630A, Form 2



Stacked_Cu_Schematik_2

Main busbar

- Position possitble: top
- From 1x30/10 up to max 12x30/10 Cu

Max. current load and power loss for dropper bars in an XF section

Dropper bar:
Center-to-center distance between phases = 60mm
Rated current I_n = up to 2000A
Rated short-time withstand current I_{cw} = up to 80kA

Ie	Busbar cross-section	Degree of protection	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution section			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
1600	2x40x10	IP31 with ventilated top cover	1730	1600	1400	98	84	64	
		IP31 with closed top cover	1330	1300	1250	58	56	51	
		IP42 with ventilated top cover	1730	1600	1400	98	84	64	
		IP42 with closed top cover	1330	1300	1250	58	56	51	
		IP55	1330	1300	1250	58	56	51	
2000	2x60x10	IP31 with ventilated top cover	2130	2000	1800	105	92	75	
		IP31 with closed top cover	1940	1820	1640	87	76	62	
		IP42 with ventilated top cover	1960	1900	1800	89	83	75	
		IP42 with closed top cover	1820	1775	1700	76	73	67	
		IP55	1680	1650	1600	65	63	59	

Short-circuit strength for dropper bars in an XF section

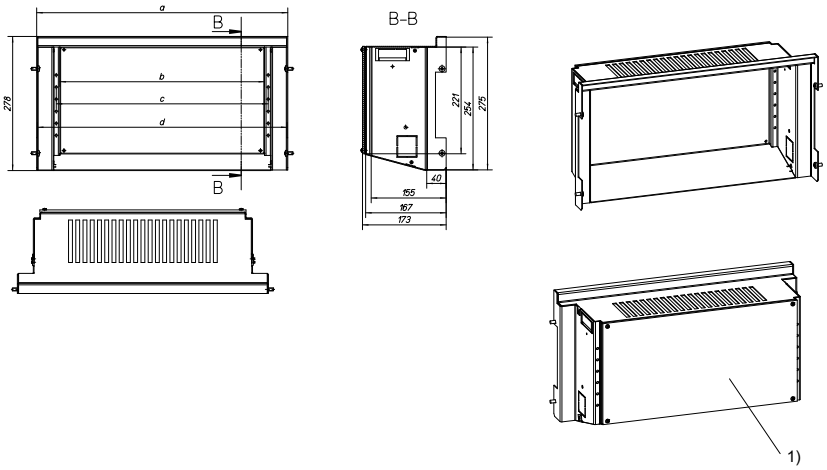
Ie	Busbar cross-section	Short-circuit strength	Max. distance between busbar supports center-to-center	
A		kA	mm	
1600	2x40x10	35/1s	375	
		50/1s	275	
		65/1s	250	
2000	2x60x10	35/1s	375	
		50/1s	275	
		65/1s	250	
		80/1s	200	
		50/3s	200	

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XF Outgoing Sections for Fixed Modules up to 630A, Form 2

Wiring module

- The wiring module is mounted in front of the main busbar.
  Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.
  The rear of the module is planked with an additional insulating partition of 3mm (see fig. 1).



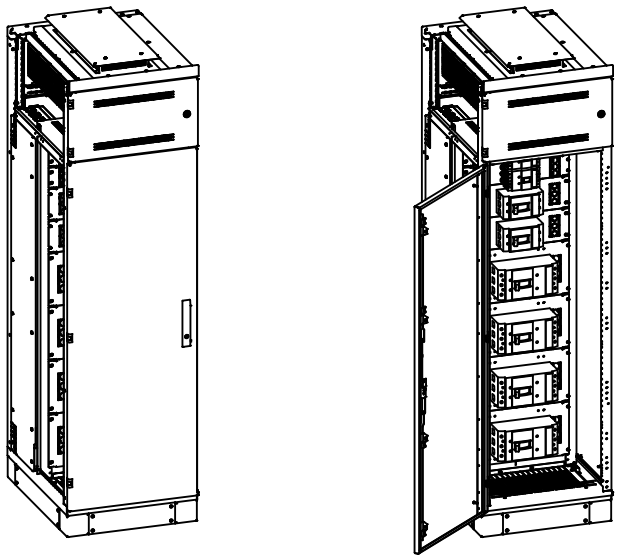
Metering_compartment_RearAccess_ASSEM_H250

1) Additional insulating partition at the rear

	a	b	c	d
W600	520	424	439	517
W800	720	624	639	717
W1000	920	824	839	817

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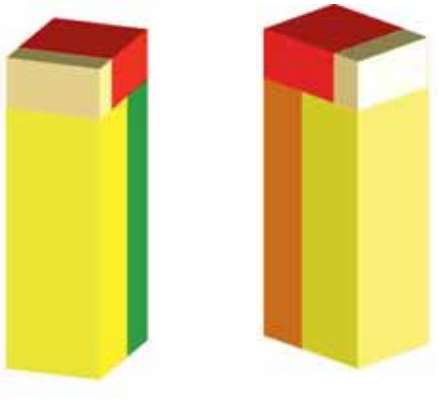
XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7



XF_Uebersicht

Description of the sections

- Section width 600mm, with an additional cable connection area at the side for section widths of 800/1000mm
- For compact circuit breakers of the NZM 1-3 series in 3-pole, 4-pole and 3P+N version
- In horizontal mounting position
- Wiring module of H = 325mm in front of the main busbar, can optionally be replaced by a partition panel
- Internal separation up to Form 4 / up to Type 7
- On the incoming side, connection is done on a vertically arranged dropper bar system (see instructions). In the rear area of the cabinet, the system of bars is aligned in parallel with the side panel. The dropper bar system is covered with panels and therefore shock-proof.
- With a separate door across the entire switchgear area; if a cable connection area is installed at the side, it will be closed with a separate door.
- Operation of the switchgear behind the door. Door to switchgear area optionally also available in glass
- Can be configured with an additional cable connection area at the side
- Even with a cable connection area at the side, there is only one shared wiring module

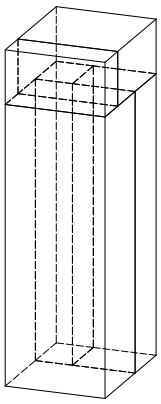


XF_Funktionsraeume_BBT_a

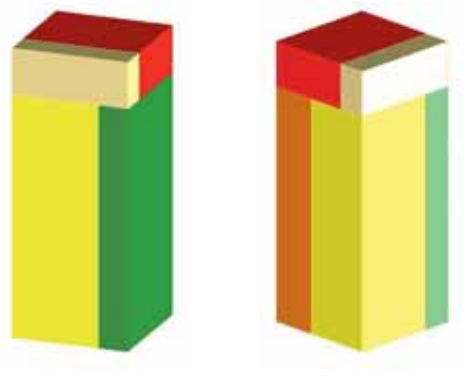
Internal separation/Layout of functional areas in section width of 600mm

Functional XF areas left
W600

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_BBT_b

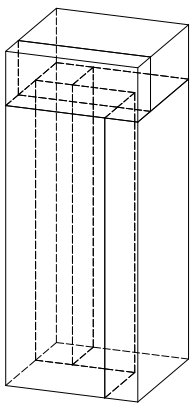


XF_Funktionsraeume_4b_a

Internal separation/Layout of functional areas in section width of 800mm

Functional 4b XF areas left
W800

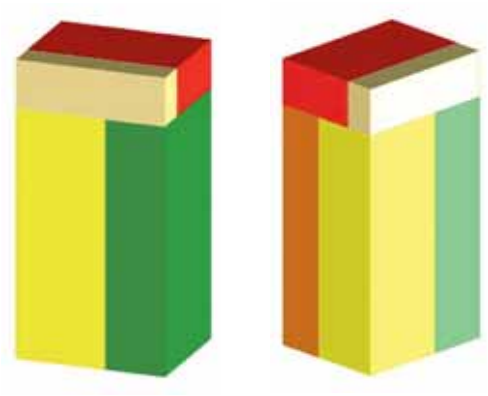
Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_4b_b

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XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

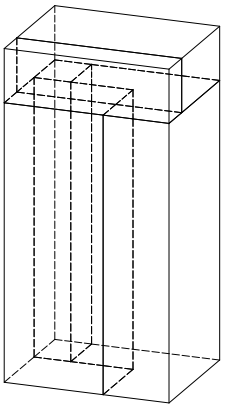


XF_Funktionsraeume_4b_1000_a

Internal separation/Layout of functional areas in section width of 1000mm

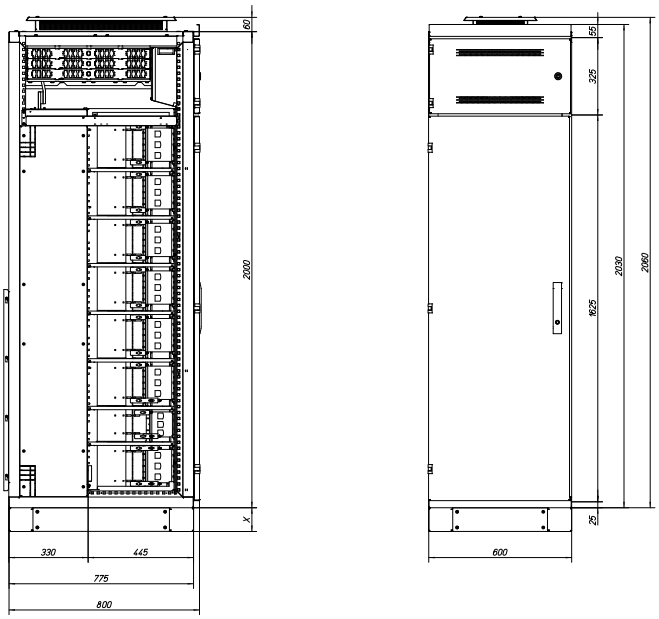
Functional 4b XF areas left
W1000

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_4b_1000_b

W600



XF_4b_W600_Katalog_1

Dimensions

- Section width: 600mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

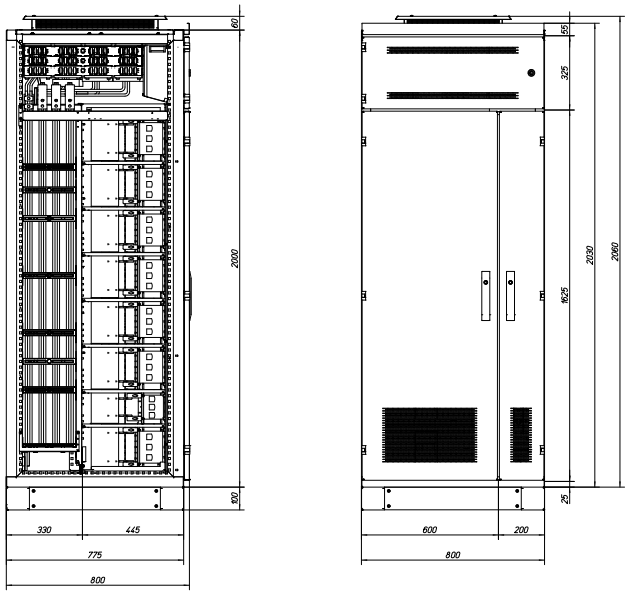
Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 445mm

Cable connection area at the rear

- Width = 370mm
- Depth = 325mm

W800



XF_4b_W800_Katalog

Dimensions

- Section width: 800mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 445mm

Cable connection area at the rear

- Width = 570mm
- Depth = 325mm

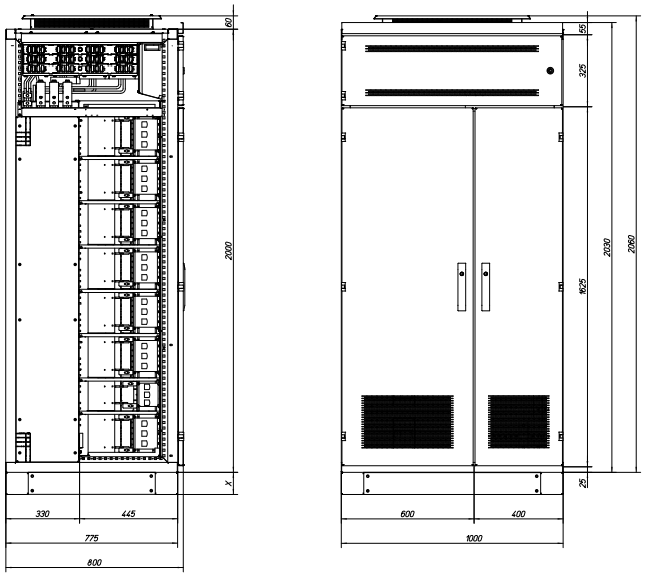
Cable connection area at the side

- H = 1600mm
- B = 200mm

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XF Outgoing Sections for Fixed modules up to 630A, Form 4 / up to Type 7

W1000



XF_4b_W1000_Katalog

Dimensions

- Section width: 1000mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 445mm

Cable connection area at the rear

- Width = 570mm
- Depth = 325mm

Cable connection area at the side

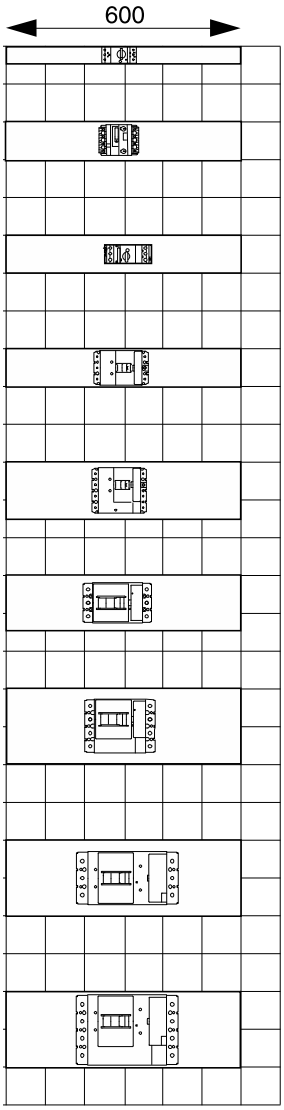
- H = 1600mm
- B = 400mm

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XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

XF Outgoing Sections (fixed design) - module heights and equipment: Installation of switchgear in a horizontal way only

Module width



fk4810-1143d_13_13_1A4

Motor protective switch up to **32 A**
Type PKZM0, 2 U = 50 mm

Motor protective switch up to **40 A**

Motor protective switch up to **63 A**
Type PKZM4, 4 U = 100 mm

Circuit breaker up to **160 A, 3-pole**
Type NZM1, 4 U = 100 mm

Circuit breaker up to **160 A, 4-pole**
Type NZM1, 6 U = 150 mm

Circuit breaker up to **300 A, 3-pole**
Type NZM2, 6 U = 150 mm

Circuit breaker up to **300 A, 4-pole**
Type NZM2, 8 U = 200 mm

Circuit breaker up to **630 A, 3-pole**
Type NZM3, 8 U = 200 mm

Circuit breaker up to **630 A, 4-pole**
Type NZM3, 10 U = 250 mm

Modules

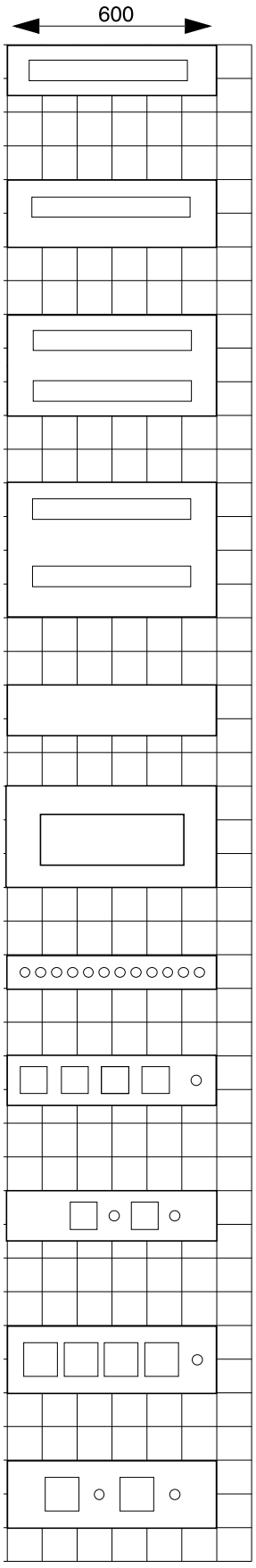
- Mounting plates - width = 600mm
- Mounting plates prepared for NZM series
- Each module has its own front panel
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter
- Modules for general installation units are available in a height from 50 to 600mm

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XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

XF Outgoing sections - module heights and equipment: Module covers for modular installation devices, measuring and command devices

Module width



fk4810-1143d_13_16A4

Modular installation devices/PKZ...
1 x 12 PE/1 x 24 PE, 6 U = 150 mm

1 x 12 PE/1 x 24 PE, 8 U = 200

2 x 12 PE/2 x 24 PE, 12 U = 300 mm

2 x 12 PE/2 x 24 PE, 16 U = 400 mm

Modules **for connections**
6 U = 150 mm

12 U = 300 mm

Front covers
for **command and signalling devices**
9 x RMQ-Titan/12 x RMQ-Titan, 4 U = 100 mm

for the **installation of measuring devices**
4 x 72 x 72 mm + 1 change-over switch
8 U = 200mm/6 U = 150 mm

2 x 72 x 72 mm + 2 change-over switches
6 U = 150 mm

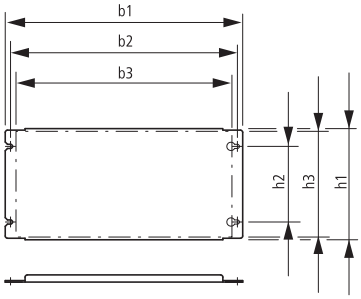
4 x 96 x 96 mm + 1 change-over switches
8 U = 200 mm

2 x 96 x 96 mm + 2 change-over switches
8 U = 200 mm

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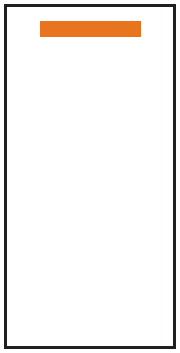
XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

General Mounting Plates
General mounting plates are available in heights from 50mm up to 1200mm



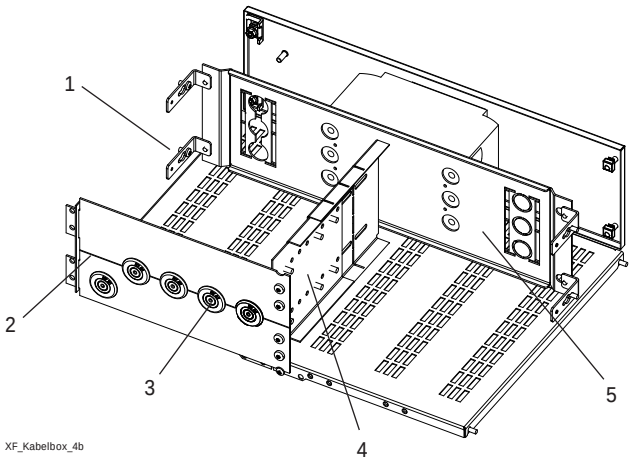
00163815_0

Type	h1	b1	h2	b2	h3	b3
XME0206M	47	489	25	475	40	458
XME0406M	97	489	50	475	90	458
XME0606M	147	489	100	475	140	458
XME0806M	197	489	150	475	190	458
XME1006M	247	489	200	475	240	458
XME1206M	297	489	250	475	290	458
XME1406M	347	489	300	475	340	458
XME1606M	397	489	250	475	390	458
XME2006M	497	489	450	475	490	458
XME2406M	597	489	550	475	590	458
XME3206M	797	489	750	475	790	458
XME3806M	947	489	900	475	940	458
XME4006M	997	489	950	475	990	458
XME4806M	1197	489	1150	475	1190	458



Stacked_Cu_Schematik_2

Main busbar
- Position possible: top
- From 1x30/10 up to max 12x30/10 Cu



XF_Kabelbox_4b

Cable Connection Box
- Terminal boxes are located behind the mounting plate. Connection is done on the rear connections at the switches of the NZM series (see accessories for NZM). In case of motor starter combinations the connecting lines will be led from the switchgear area to the terminals placed in the boxes. To close the boxes, modular cover plates are designed in a way to make sure they are easy to mount after connecting the cables. Depending on the size of the module you need to use different cable entries in different sizes.

1 = Connection box
2 = Closing plates
3 = Grommets
4 = Separation panel (dropper bar/terminal box)
5 = Mounting plate

XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

Max. current load and power loss for dropper bars in an XF section
Dropper bar:
Center-to-center distance between phases = 60mm
Rated current I_n = up to 2000A
Rated short-time withstand current I_{cw} = up to 80kA

Ie	Busbar cross-section	Degree of protection	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution section			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
1600	2x40x10	IP31 with ventilated top cover	1730	1600	1400	98	84	64	
		IP31 with closed top cover	1330	1300	1250	58	56	51	
		IP42 with ventilated top cover	1730	1600	1400	98	84	64	
		IP42 with closed top cover	1330	1300	1250	58	56	51	
		IP55	1330	1300	1250	58	56	51	
2000	2x60x10	IP31 with ventilated top cover	2130	2000	1800	105	92	75	
		IP31 with closed top cover	1940	1820	1640	87	76	62	
		IP42 with ventilated top cover	1960	1900	1800	89	83	75	
		IP42 with closed top cover	1820	1775	1700	76	73	67	
		IP55	1680	1650	1600	65	63	59	

Short-circuit strength for dropper bars in an XF section

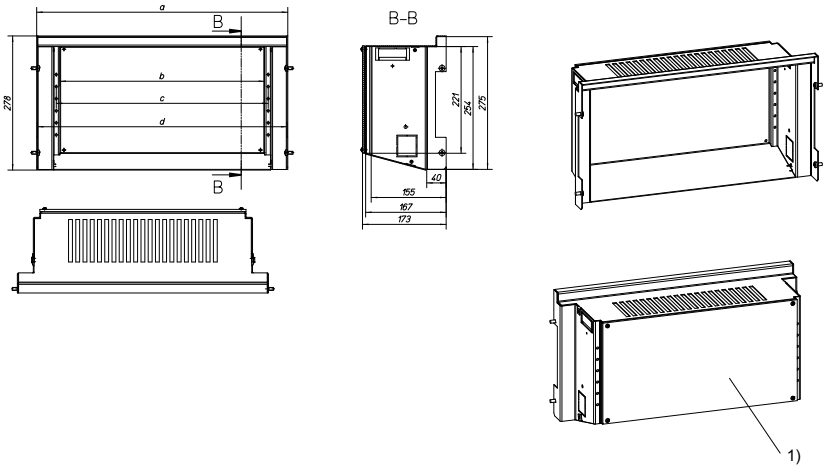
Ie	Busbar cross-section	Short-circuit strength	Max. distance between busbar supports center-to-center	
A		kA	mm	
1600	2x40x10	35/1s	375	
		50/1s	275	
		65/1s	250	
2000	2x60x10	35/1s	375	
		50/1s	275	
		65/1s	250	
		80/1s	200	
		50/3s	200	

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XF Outgoing Sections for Fixed Modules up to 630A, Form 4 / up to Type 7

Wiring module

- The wiring module is mounted in front of the main busbar.
  Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.
  The rear of the module is planked with an additional insulating partition of 3mm (see fig. 1).



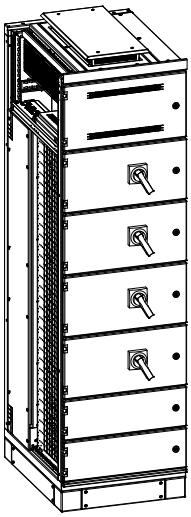
Metering_compartment_RearAccess_ASSEM_H250

1) Additional insulating partition at the rear

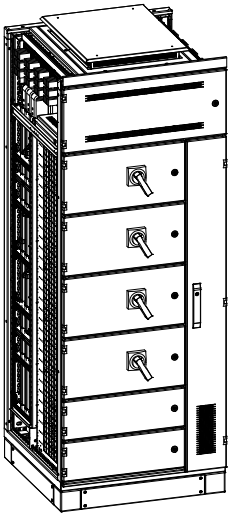
	a	b	c	d
W600	520	424	439	517
W800	720	624	639	717
W1000	920	824	839	817

Powering Business Worldwide

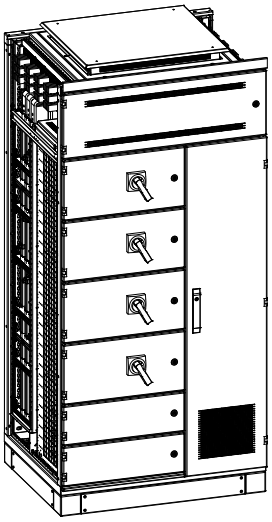
XF Outgoing Sections Box Solution up to 630A, Form 4 / up to Type 7 Motor Control Center in Fixed Design



XF_box solution_0608



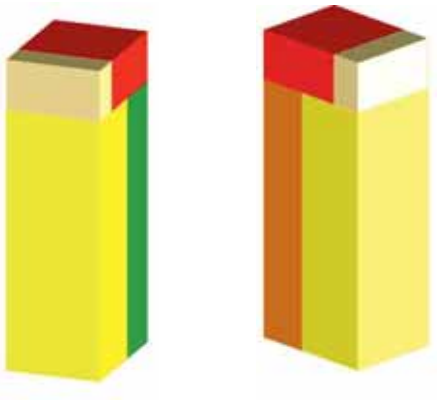
XF_box solution_0808



XF_box solution_1008

Description of the sections

- Section width 600mm, with an additional cable connection area at the side for section widths of 800/1000mm
- For compact circuit breakers of the NZM 1-3 series in 3-pole, 4-pole and 3P+N version
- In horizontal mounting position
- Wiring module of H = 325mm in front of the main busbar, can optionally be replaced by a partition panel
- Internal separation up to Form 4 / up to Type 7
- On the incoming side, connection is done on a vertically arranged dropper bar system (see instructions). In the rear area of the cabinet, the system of bars is aligned in parallel with the side panel. The dropper bar system is covered with panels and therefore shock-proof.
- Each module has its own switchgear area door, if a cable connection area is installed at the side, it will be closed with a separate door
- Operation of the switchgear optionally behind the door or with a rotary door coupling handle.
- Can be configured with an additional cable connection area at the side
- Even with a cable connection area at the side, there is only one shared wiring module

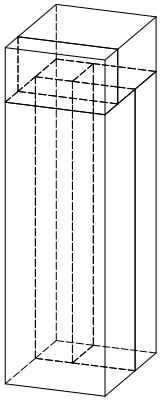


XF_Funktionsraeume_BBT_a

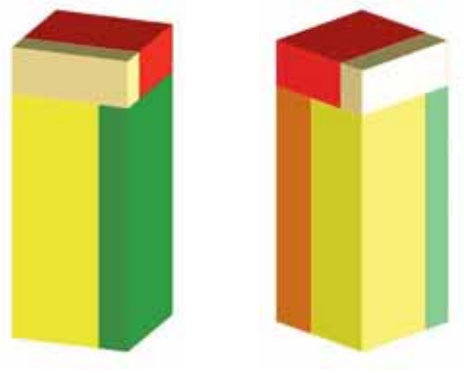
Internal separation/Layout of functional areas in section width of 600mm

Functional XF areas left
W600

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



XF_Funktionsraeume_BBT_b

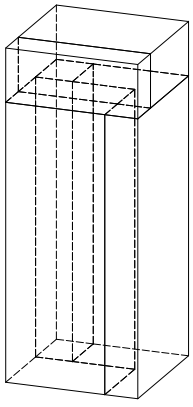


XF_Funktionsraeume_4b_a

Internal separation/Layout of functional areas in section width of 800/1000mm

Functional 4b XF areas left
W800/1000

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar

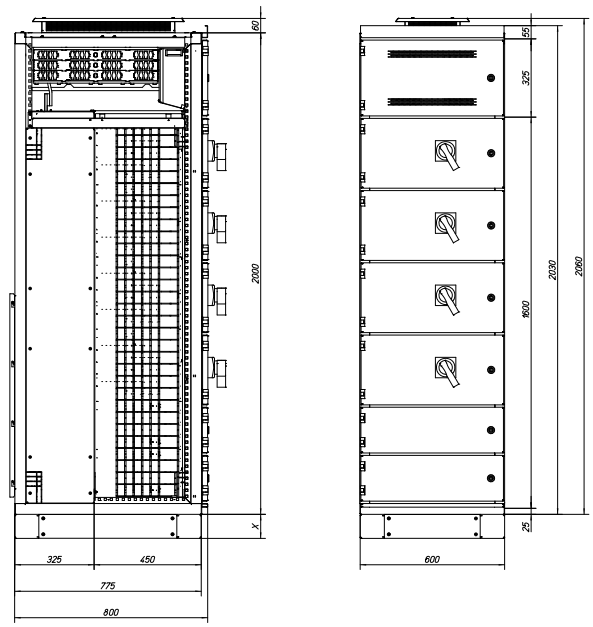


XF_Funktionsraeume_4b_b

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XF Outgoing Sections Box Solution up to 630A, Form 4 / up to Type 7 Motor Control Center in Fixed Design

W600



XF_box solution_0608

Dimensions

- Section width: 600mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

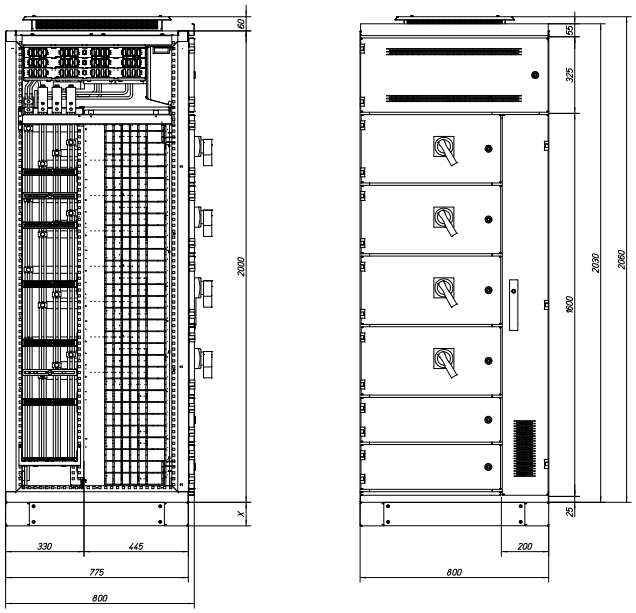
Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 450mm

Cable connection area at the rear

- Width = 370mm
- Depth = 325mm

W800



XF_box solution_0808

Dimensions

- Section width: 800mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 450mm

Cable connection area at the rear

- Width = 570mm
- Depth = 325mm

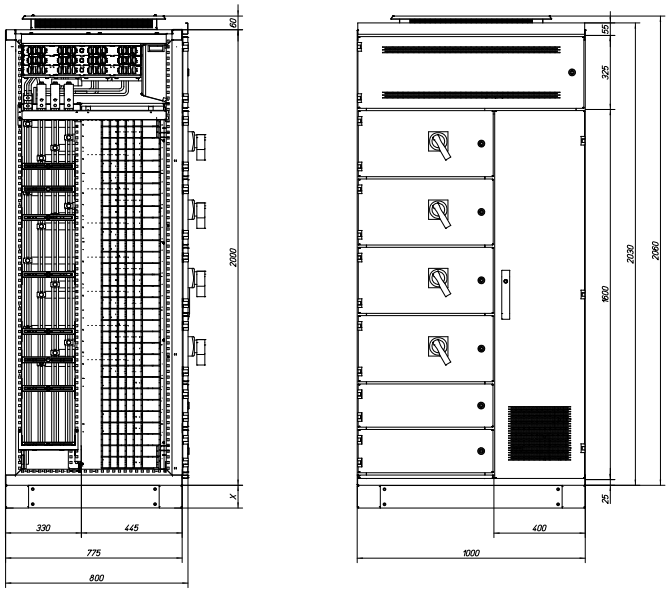
Cable connection area at the side

- H = 1600mm
- W = 200mm

Powering Business Worldwide

XF Outgoing Sections Box Solution up to 630A, Form 4 / up to Type 7 Motor Control Center in Fixed Design

W1000



XF_box solution_1008

Dimensions

- Section width: 1000mm
- Section depth: 770mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1600mm
- Max. installation depth available: D = 450mm

Cable connection area at the rear

- Width = 370mm
- Depth = 325mm

Cable connection area at the side

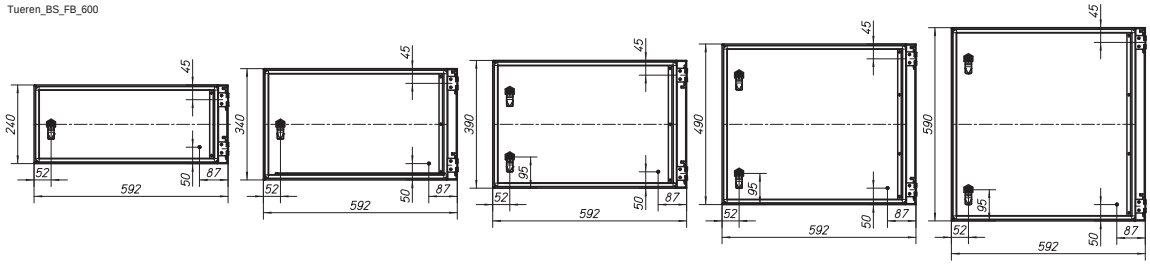
- H = 1600mm
- W = 400mm

Powering Business Worldwide

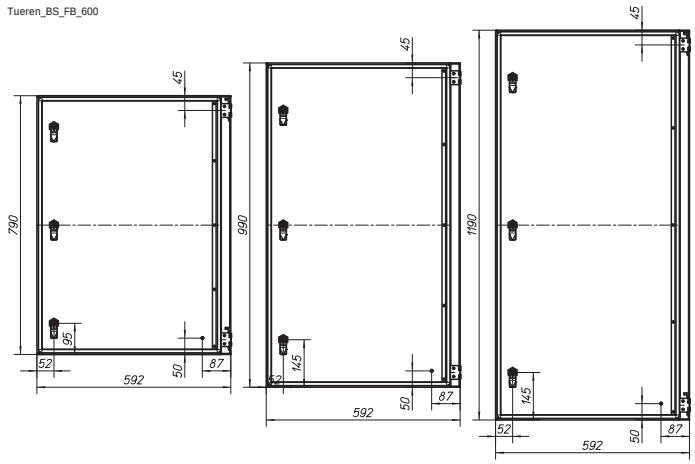
Doors - Box Solution
Version: Stand-alone cabinet (no combination/switchgear area only)

xEnergy Main doors of section width 600

Tueren_BS_FB_600



Tueren_BS_FB_600

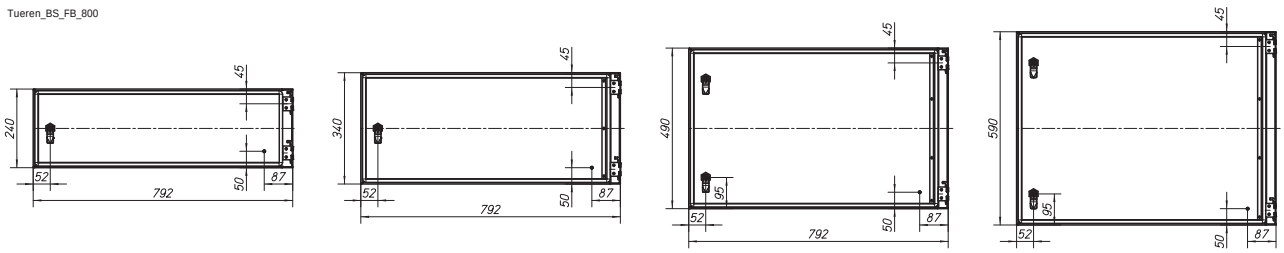


Modules

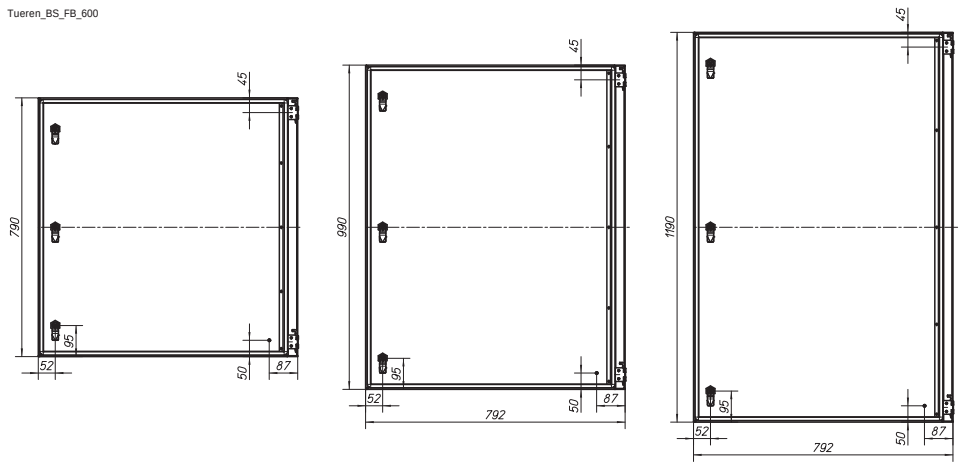
- Mounting plates width = 600mm
- Each module has its own module door
- All of the installation modules combinable with BBT are marked in colours in the “Individual components“ chapter.
- Modules for general installation units are available in heights of 200 to 1200mm

xEnergy Main doors section width 800

Tueren_BS_FB_800



Tueren_BS_FB_600



Box Solution Mounting Plates for NZM 1-3

Box Solution 4 - Heights and equipment

Module width 600 mm

Circuit breaker NZM1
3/4-pole up to 160 A, H = 200 mm, 8U
Mounting position: horizontal, installation type: fixed/ withdrawable

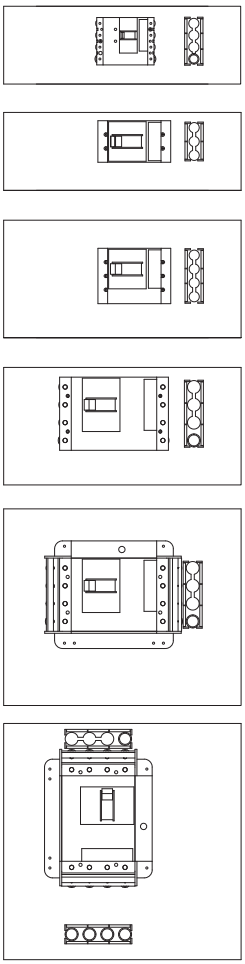
Circuit breaker NZM2
3-pole up to 300 A, H = 200 mm, 8U
Mounting position: horizontal, installation type: fixed/ withdrawable

Circuit breaker NZM2
4-pole up to 300 A, H = 300 mm, 12U
Mounting position: horizontal, installation type: fixed/ withdrawable

Circuit breaker NZM3
3/4-pole up to 630 A, H = 300 mm, 12U
Mounting position: horizontal, installation type: fixed

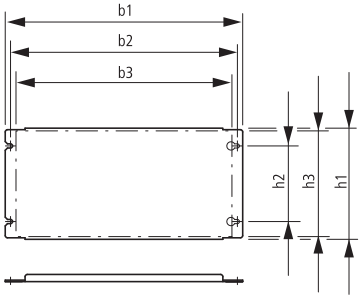
Circuit breaker NZM3
3/4-pole up to 630 A, H = 500 mm, 20U
Mounting position: horizontal, installation type: with-drawable

Circuit breaker NZM3
3/4-pole up to 630 A, H = 600 mm, 24U
Mounting position: vertical, installation type: fixed/ withdrawable



BS_600_NZM

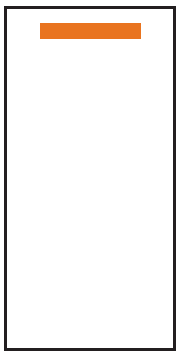
General mounting plates



00163815_0

Type	h1	b1	h2	b2	h3	b3
XME0806M	197	489	150	475	190	458
XME1006M	247	489	200	475	240	458
XME1206M	297	489	250	475	290	458
XME1406M	347	489	300	475	340	458
XME1606M	397	489	250	475	390	458
XME2006M	497	489	450	475	490	458
XME2406M	597	489	550	475	590	458
XME3206M	797	489	750	475	790	458
XME3806M	947	489	900	475	940	458
XME4006M	997	489	950	475	990	458
XME4806M	1197	489	1150	475	1190	458

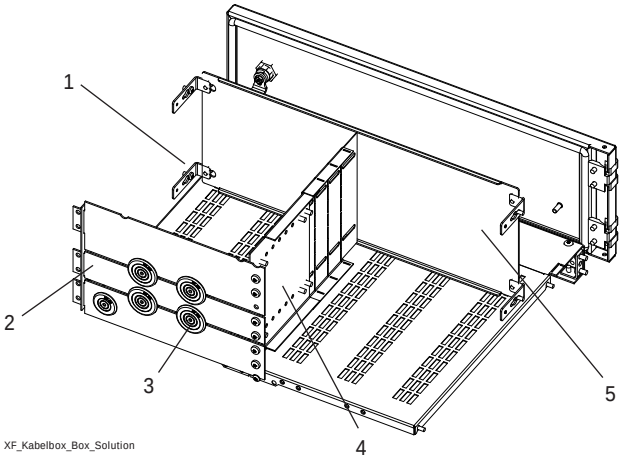
XF Outgoing Sections Box Solution up to 630A, Form 4 / up to Type 7 Motor Control Center in Fixed Design



Stacked_Cu_Schematik_2

Main busbar

- Position possible: top
- From 1x30/10 up to max 12x30/10 Cu



XF_Kabelbox_Box_Solution

Cable Connection Box

- Terminal boxes are located behind the mounting plate. Connection is done on the rear connections of the switches of the NZM series (see accessories for NZM). In case of motor starter combinations the connection lines run from the switchgear area to the connection terminals placed in the boxes. To close the boxes, modular cover plates are designed in a way to make sure they are easy to mount after connecting the cables. Depending on the size of the module you need to use different cable entries in different sizes.

1 = Connection box
2 = Closing plates
3 = Grommets
4 = Separation panel (dropper bar/terminal box)
5 = Mounting plate

Max. current load and power loss for dropper bars in an XF section
Dropper bar:
Center-to-center distance between phases = 60mm
Rated current I_n = up to 2000A
Rated short-time withstand current I_{cw} = up to 80kA

Ie	Busbar cross-section	Degree of protection	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution section			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
1600	2x40x10	IP31 with ventilated top cover	1730	1600	1400	98	84	64	
		IP31 with closed top cover	1330	1300	1250	58	56	51	
		IP42 with ventilated top cover	1730	1600	1400	98	84	64	
		IP42 with closed top cover	1330	1300	1250	58	56	51	
		IP55	1330	1300	1250	58	56	51	
2000	2x60x10	IP31 with ventilated top cover	2130	2000	1800	105	92	75	
		IP31 with closed top cover	1940	1820	1640	87	76	62	
		IP42 with ventilated top cover	1960	1900	1800	89	83	75	
		IP42 with closed top cover	1820	1775	1700	76	73	67	
		IP55	1680	1650	1600	65	63	59	

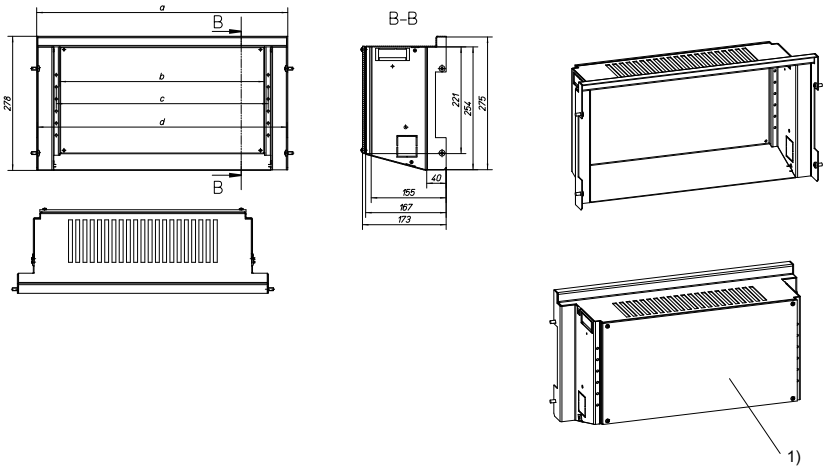
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Short-circuit strength for dropper bars in an XF section

Ie	Busbar cross-section	Short-circuit strength	Max. distance between busbar supports center-to-center	
A		kA	mm	
1600	2x40x10	35/1s	375	
		50/1s	275	
		65/1s	250	
2000	2x60x10	35/1s	375	
		50/1s	275	
		65/1s	250	
		80/1s	200	
		50/3s	200	

Wiring module

- The wiring module is mounted in front of the main busbar.
  Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal.
  Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system.
  The rear of the module is planked with an additional insulating partition of 3mm (see fig. 1).

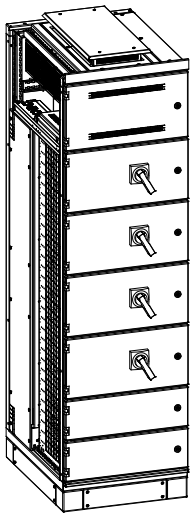


Metering_compartment_RearAccess_ASSEM_H250

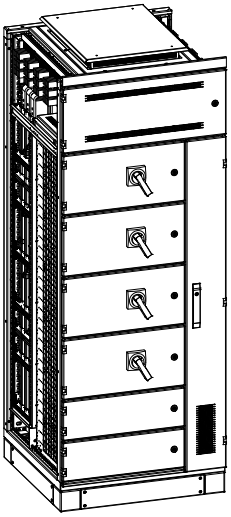
1) Additional insulating partition at the rear

	a	b	c	d
W600	520	424	439	517
W800	720	624	639	717
W1000	920	824	839	817

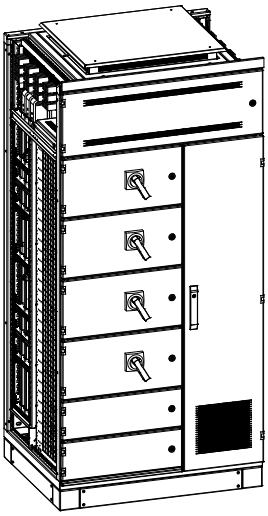
XW Outgoing Sections Motor Control Center in Withdrawable Design



XF_box solution_0608



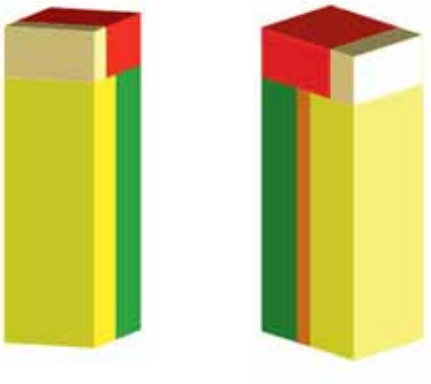
XF_box solution_0808



XF_box solution_1008

Description of the sections

- Section width 600mm, with an additional cable connection area at the side for section widths of 800/1000mm
- Max. switchgear area available for equipment = 1575 mm / 21 modules
- In horizontal mounting position
- Wiring module of H = 325mm in front of the main busbar, can optionally be replaced by a partition panel
- Internal separation up to Form 4 / up to Type 7
- On the incoming side, connection is done on a vertically arranged dropper bar system by means of incoming plug-type contacts. The dropper bar system is placed behind the switchgear area in the cabinet and it is covered to be shock-proof. Contact holes in the partition panels can optionally be equipped with self-closing plates.
- Can be combined with Smart Wire DT
- If a cable connection area is installed at the side, it will be closed with a separate door
- Can be configured with an additional cable connection area at the side
- Even with a cable connection area at the side, there is only one shared wiring module

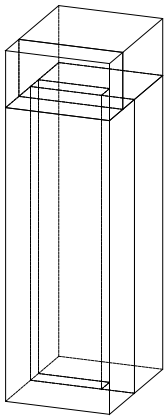


Funktionsraeume_XW_BBT_a

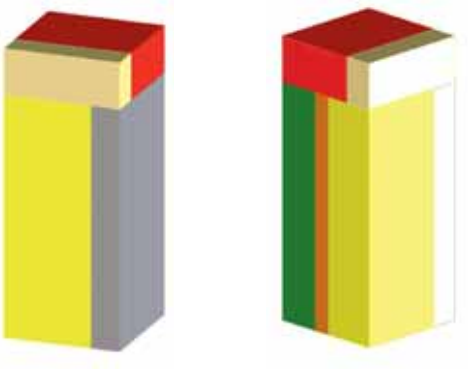
Internal separation/Layout of functional areas in section width of 600mm

Functional areas XW
W600

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar



Funktionsraeume_XW_BBT_b

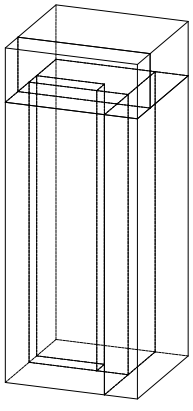


Funktionsraeume_XW_BBT_800_a

Internal separation/Layout of functional areas in section width of 800mm

Functional areas XW
W800

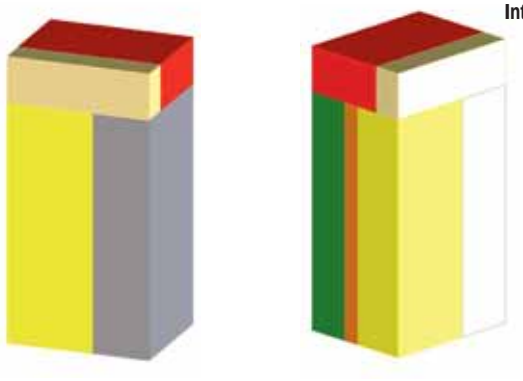
Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar
Grey: Additional cable area



Funktionsraeume_XW_BBT_800_b

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XW Outgoing Sections Motor Control Center in Withdrawable Design

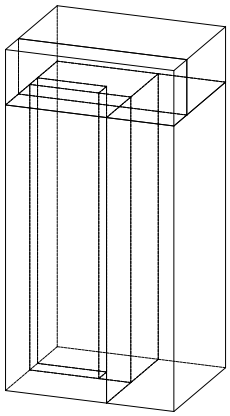


Funktionsraeume_XW_BBT_1000_a

Internal separation/Layout of functional areas in section width of 1000mm

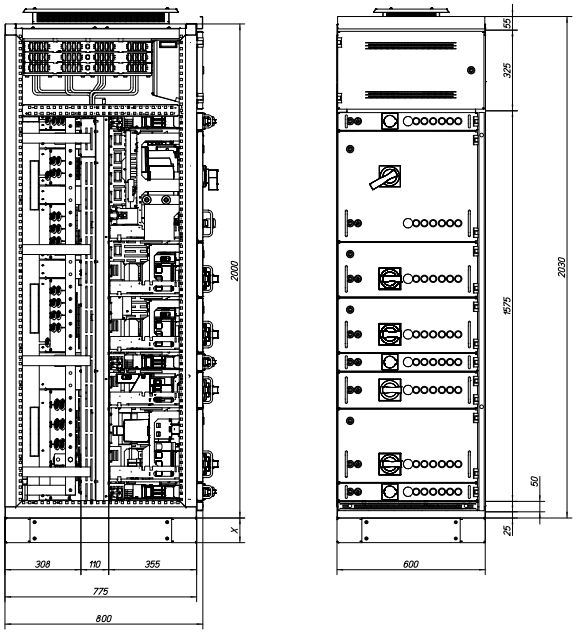
Functional areas XW
W1000

Yellow: Switchgear area
Green: Cable area
Ochre: Metering compartment
Red: Main busbar area
Orange: Dropper bar
Grey: Additional cable area



Funktionsraeume_XW_BBT_1000_b

W600



XW_0608

Dimensions

- Section width: 600mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mmm

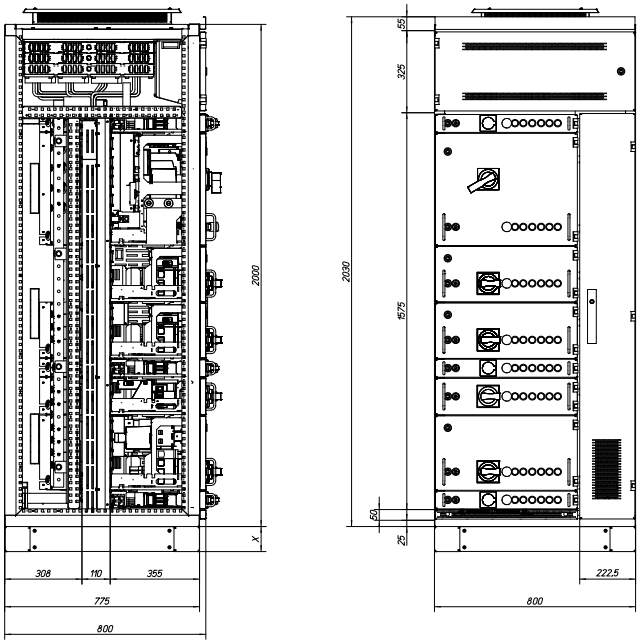
Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1575mm / 21 modules
- Max. installation depth available: D = 450mm

Cable connection area at the rear

- Width = 308mm
- Depth = 355mm

W800



XW_0808

Dimensions

- Section width: 800mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

- Module width = 600mm
- Max. installation area available: H = 1575mm / 21 modules
- Max. installation depth available: D = 355mm

Cable connection area at the rear

- Width = 800mm
- Depth = 308mm

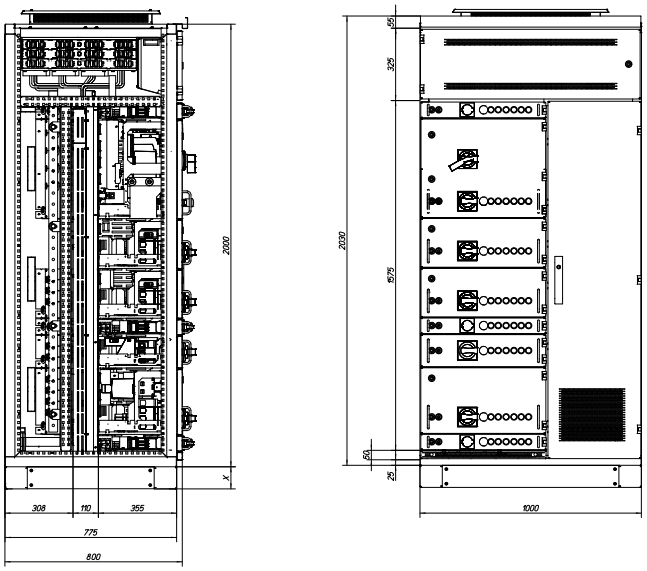
Cable connection area at the side

- H = 1600mm
- W = 200mm

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XW Outgoing Sections Motor Control Center in Withdrawable Design

W1000



XW_1008

Dimensions

- Section width: 1000mm
- Section depth: 800mm
  In addition, a cable guidance cabinet can be installed at the rear of the XP section.
- Section height: 2000mm, optionally with a plinth (x) of 100 or 200mm

Switchgear area

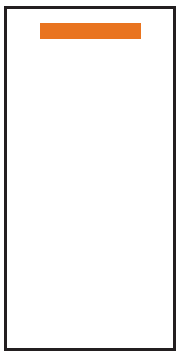
- Module width = 600mm
- Max. installation area available: H = 1575mm / 21 modules
- Max. installation depth available: D = 355mm

Cable connection area at the rear

- Width = 1000mm
- Depth = 308mm

Cable connection area at the side

- H = 1600mm
- W = 400mm



Stacked_Cu_Schematik_2

Main busbar

- Position possible: top
- From 1x30/10 up to max. 12x30/10 Cu

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XW Outgoing Sections Motor Control Center in Withdrawable Design

Modules

- All standard configurations listed in the Drawer_Outgoing_Unit_List can be used
- Each module can be combined with a steel front panel
- All components combinable with BBT are marked in colours in the “Individual components“ chapter.

Versions of module front panels:

There are two versions of module front panels available: A plastic front panel and a metal front panel.

Plastic front:

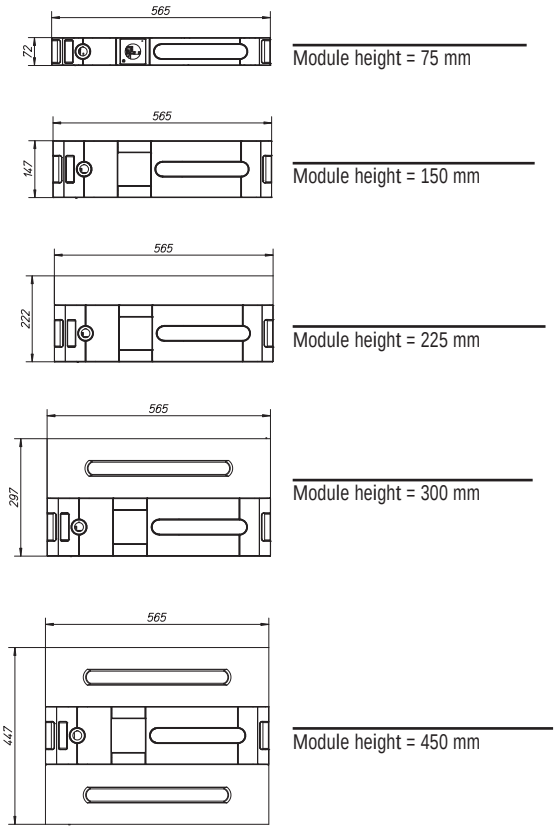
The plastic front is hooked onto the module by means of a metal front plate and then screw-fixed. This is how a solid, screw-fixed connection is established between the front and the module body. For wiring or service jobs, the front panel needs to be removed because you need access to the drawer from the front. To comply with IP 55 requirements, the metal support frame comes with a polyurethane 2-components foam sealing applied while hot.

Metal front:

The metal front is supplied as a unit with the base plate/frame. The base frame is screw-fixed with the module. The front itself is designed like a door with hinges, this always provides free access to all compenents behind it and to the respective wiring. To comply with IP 55 requirements, the metal support frame is equipped with a polyurethane 2-components foam sealing applied while hot. For IP31 and IP55 the door comes with a sealing, so the sealing surface between the support frame and the door is neatly sealed.

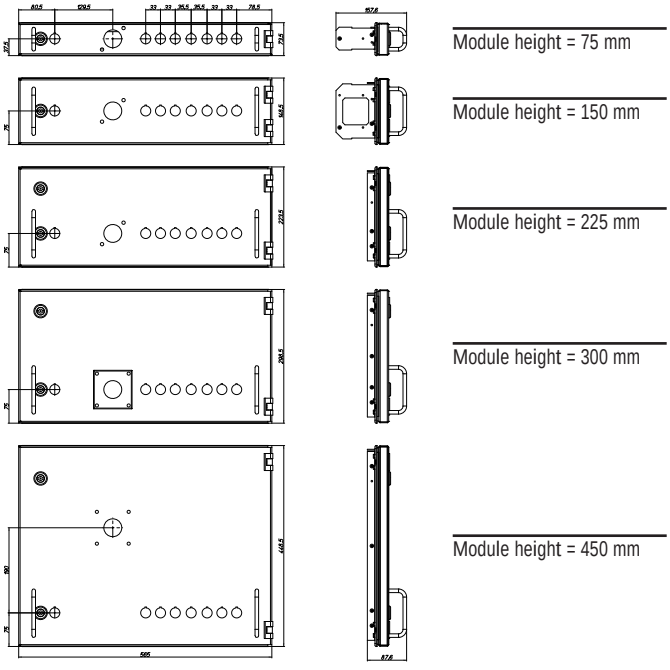
Dimensions of module fronts:

Plastic front:



xE_MCC_2_

Metal front:



MCC_MFR_1

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XW Outgoing sections for Motor Control Centers in Withdrawable Design

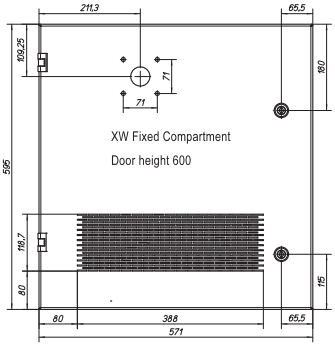
Setup of fixed modules:

Heights 600 mm and 750 mm.
Due to their weight modules higher than 450 mm need to be fixed in the MCC cabinet and screw-fixed to it. Generally you can use the same components as with smaller modules.

Dimensions of Fixed Modules:

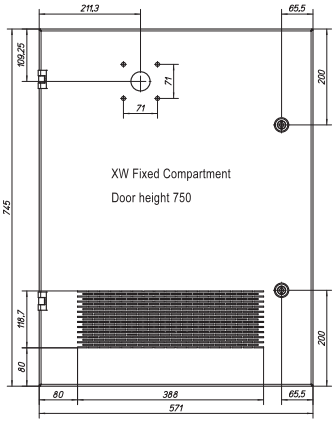
Dimensions of the doors:

Height 600 mm



MCC_Fix_H600_H750_Door

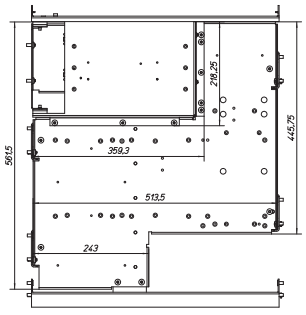
Height 750 mm



MCC_Fix_H600_H750_Door

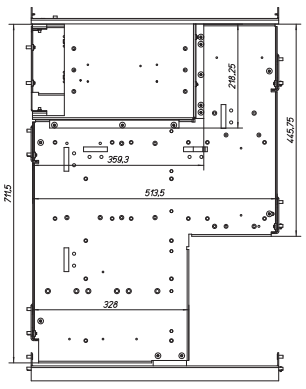
Dimensions of Fixed Modules:

Front view of the mounting plate Height 600 mm



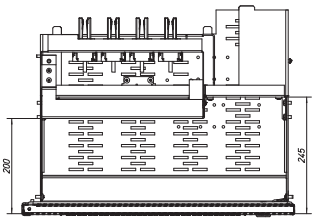
MCC_Fix_H600_H750

Front view of the mounting plate Height 750 mm



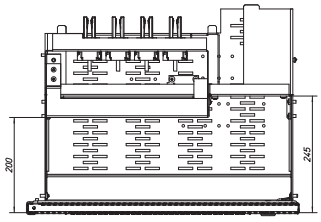
MCC_Fix_H600_H750

Top view Height 600 mm



MCC_Fix_H600_H750

Top view Height 750 mm



MCC_Fix_H600_H750

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XW Outgoing sections for Motor Control Centers in Withdrawable Design

Overview of the different drawers listed according to module heights and performance (amperage)

IP31: Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage	**IP55:** Module heights mm	Drawers	50 kA Performance or amperage	80 kA Performance or amperage
75	FE3P	16-32A	16-32A	75	FE3P	16-25A	16-25A
	DOL	3-15kW	0.06-15kW		DOL	3-11kW	0.06-11kW
	FR	3-15kW	0.06-15kW		FR	3-11kW	0.06-11kW
150	FE3P	20-200A	20-200A	150	FE3P	20-160A	20-160A
	FC3P	20-100A	20-100A		FC3P	20-80A	20-80A
	DOL	18.5-45kW	18.5-45kW		DOL	15-37kW	15-37kW
	FR	18.5-22kW	-		FR	15-18.5kW	-
	SD	5.5-15kW	7.5-15kW		SD	5.5-11kW	7.5-11kW
225	FE4P	20-200A	20-200A	225	FE4P	20-160A	20-160A
	FC3P	125A	125A		FC3P	100-125A	100-125A
	FC4P	20-125A	20-125A		FC4P	20-125A	20-125A
	DOL	55-75kW	55-75kW		DOL	45-55kW	45-55kW
	FR	30-75kW	18.5-75kW		FR	22-55kW	15-55kW
	SD	18.5-22kW	-		SD	15-18.5kW	-
300	FE3P	250A	250A	300	FE3P	200A	200A
	FE4P	250A	250A		FE4P	200A	200A
	FC3P	160-200A	160-200A		FC3P	160A	160A
	DOL	90kW	90kW		DOL	75kW	75kW
	FR	-	-		FR	-	-
	SD	37-75kW	18.5-75kW		SD	22-55kW	15-55kW
450	FE3P	400A	400A	450	FE3P	400A	400A
	FE4P	400A	400A		FE4P	400A	400A
	FC3P	250-300A	250-300A		FC3P	250A	250A
	FC4P	160-300A	160-300A		FC4P	160-250A	160-250A
	DOL	110-160A	110-160A		DOL	90-110A	90-110A
	FR	90-110kW	90-110kW		FR	75-90kW	75-90kW
As of a height of 600 mm, it is only possible to create a set-up with fixed modules				As of a height of 600 mm. it is only possible to create a set-up with fixed modules			
600	FE3P	630A	630A	600	FE3P	630A	630A
	FE4P	630A	630A		FE4P	630A	630A
	FC3P	400-630A	400-630A		FC3P	400A	400A
	FC4P	400-630A	400-630A		FC4P	400A	400A
	DOL	200-250kW	200-250kW		DOL	132-200kW	132-200kW
	FR	132-160kW	132-160kW		FR	110kW	110kW
	SD	90-250kW	90-250kW		SD	75-200kW	75-200kW
750	FR	200-250kW	200-250kW	750	FR	132-200kW	132-200kW
	SD	-	250kW		SD	250kW	250kW

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Smart Wire in xEnergy Main

What is SmartWire-DT®

SmartWire-DT® is a wiring and communication system for industrial control systems; it can be used both in the electrical cabinet and in the periphery. It replaces the control wiring which up to now was necessary for the switchgear as well as the input and output components, and it connects up to 99 SmartWire-DT® participants in an SWD string. An SWD string can be expanded to up to a max. of 600 m.

For more information on SmartWire-DT® please visit:

www.eaton.com/moeller → Support

and enter the search key “Das System“ (“The system“) in the quick search function.

How to incorporate SmartWire-DT® in the MCC

Key requirement:
Our objective was to make it possible to replace the individual drawers during full operation without interrupting the SW-DT string and without the need to reconfigure the replaced SW-DT components.

Additional equipment especially required for MCC:

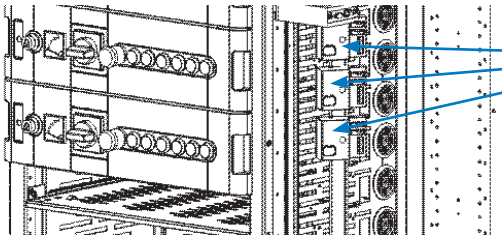
Line adapter SWD4-FFR-ST1-1 and Supply module SWD-FFR-PF1-1



VT03212

Explanation of the supply module

You need to plan one supply module supplied with 24 VDC (back-up fuse max. 40 A) for each drawer. It is only thanks to this module that the pulling and pushing of the drawers is possible without any effect. Supply modules are fixed at the DIN rail (see drawing) in the cable connection area, at the level of the drawers.



Smart_Wire_1

Explanation of the line adapter

You will need a line adapter for each drawer. This adapter will be connected with the supply module via the auxiliary current contacts using conventional wiring. In the drawer as such all participants are connected through the SW-DT flat cable, the beginning and the end of the flat cable must be connected with the line adapter. There is also a 24 VDC / max 2 A voltage tap available, which can be used to supply more consumers. The line adapter also offers the possibility to interrupt the activation of contactors by using a release terminal. This is necessary if you wish to include an emergency stop button or a safety chain, for example.

Connection between supply module (SWD-FFR-PF1-1) and line adapter (SWD4-FFR-ST1-1)

The connection between these two additional devices is established by means of conventional wiring. There is no SW-DT flat cable necessary. Each device is equipped with 8 spring-type terminals which need to be connected through auxiliary current terminals (with the same numbers).

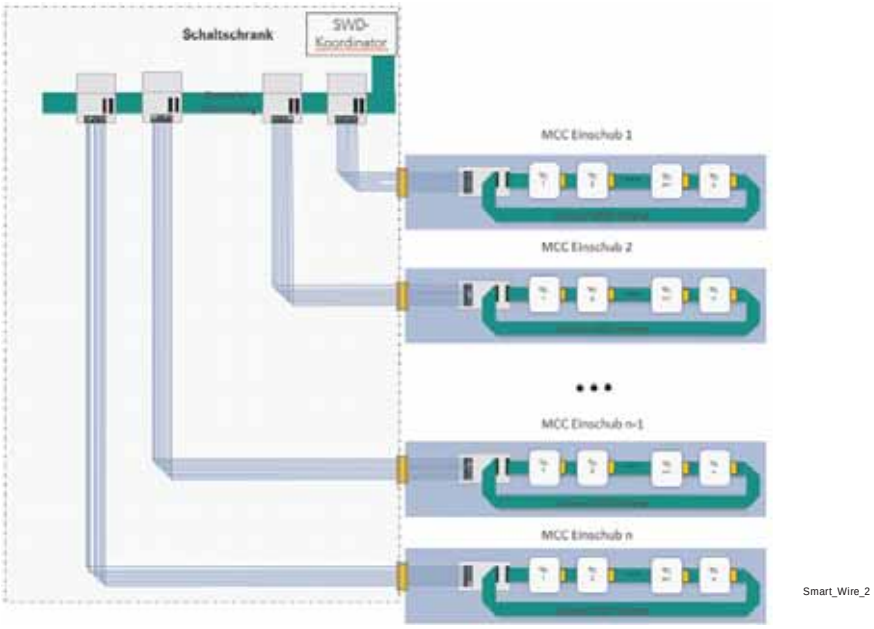
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Smart Wire in xEnergy Main

SWD Gateway

PROFIBUS DP, CANopen, Ethernet IP and Modbus TCP-Gateways ensure the data exchange with the higher level of the control system. They provide the most important field bus connections for the most common control functions. The Gateway is positioned in the cable connection area, but it can variably be adjusted or placed there depending on the space available.

SWD Gateway



Smart_Wire_2

Mechanical Setup of MCC with SmarWire-DT®

Cabinet:

Generally there is no difference between sections with a SW-DT setup and normally wired MCC sections. In the cable connection area, the SWD4-FFR-PF1-1 supply module can be snapped onto the DIN rail which is also required for conventional wiring of control functions. The Gateway is usually mounted at the vertical DIN rail, at the top or at the bottom of the cable connection area (depending on the cable routing).

Drawer

Generally you can use standard drawers. There are expansion sets available to make them Smart Wire compatible. These expansion sets exist in all drawer sizes and are compulsory if SmartWire needs to be used in the drawers. The line adapter will be snapped onto a DIN rail included in the expansion set.

For more information on Installation and Mounting Instructions, please visit:
www.xEnergy-partner.com

Soft Starter in xEnergy Main MCC and iMCC

For the power range from 1.1 to 15kW (3-32A) you can use soft starter solutions in XW drawer sections. The Soft Starter series DS7 sizes 1+2 are incorporated in XW drawers and tested to IEC 61439.

Technical Details

Versions:	DOL, FR (direct starter, reverse starter)
Rated short-time withstand current:	50 kA, 80 kA
Drawer heights:	75, 150, 225 mm
Versions/finishes:	
Standard	without SW-DT for normal MCC application
Basic	with SW-DT, but without reading of the circuit breaker (iMCC application)
Complete	with SW-DT and reading of the circuit breaker - electronic tripping (iMCC application)
Degree of protection:	IP31, IP55
Power:	1,5 -15 kW
Assignment type:	Type 2
Ambient temperature:	35°C

Setup/Installation

The soft starter can be installed in standard drawers where additional expansion sets can be fixed to establish the pre-requisites for soft starters. These retro-fitting sets include a DIN rail (L = depending on the drawer height) and screws. Installation must be done according to our installation guideline (IL – XMW..06SS-161/162/163).

Electric components

Configuration of the electric components has to be done according to the XW_DS7_Drawer_Outgoing_Unit_List. This list details all the electric components necessary for the different variants of drawers.

You can find the complete documentation on our xEnergy Main homepage at www.xEnergy-Partner.com

Different finishes of drawers:
There are 3 different versions of drawer finishes with soft starter.

Standard: In the standard version the soft starter and all electric components are wired and controlled in the conventional way.

Basic: In the Basic version, the control wiring is carried out using a SmartWire-DT. There is no conventional control wiring. The circuit breaker includes a thermomagnetic tripping unit, therefore it is not possible to make a query of the current parameters via SW-DT.

Complete: In the Complete version, a SmartWire-DT is used for control wiring. There is no conventional control wiring. As there is an electronic tripping unit incorporated in the circuit breaker, it is possible to make a query and read the status of each individual parameter at any time via the SW-DT.

XW Outgoing Sections Motor Control Center in Withdrawable Design

Max. current load and power loss for dropper bars in an XW section
Dropper bar:
Center-to-center distance between phases = 60mm
Rated current I_n = up to 1600A
Rated short-time withstand current I_{cw} = up to 80kA

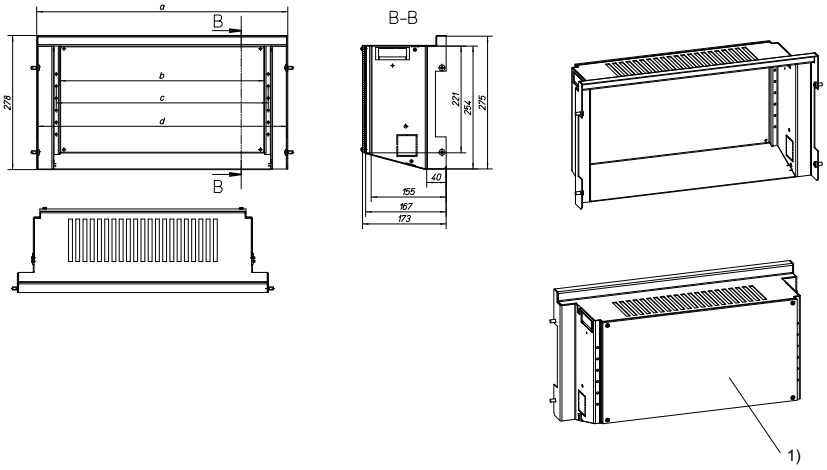
Ie	Busbar cross-section	Degree of protection	Permitted continuous current I depending on ambient temperature and degree of protection of the distribution section			Power loss			
			25°C	35°C	50°C	25°C	35°C	50°C	
A			A	A	A	W/m	W/m	W/m	
1000	1x40x10	IP31	1000	1000	1000	61	61	61	
		IP42	1000	1000	1000	61	61	61	
		IP55	1000	980	900	61	59	50	
1600	2x40x10	IP31	1730	1600	1400	98	84	64	
		IP42	1730	1600	1400	98	84	64	
		IP55	1330	1300	1250	58	56	51	

Short-circuit strength for dropper bars in an XW section

Ie	Busbar cross-section	Short-circuit strength	Max. distance between busbar supports center-to-center	
A		kA	mm	
1000	1x40x10	35/1s	375	
		50/1s	225	
		65/1s	225	
1600	2x40x10	35/1s	375	
		50/1s	225	
		65/1s	225	
		80/1s	225	
		50/3s	225	

Wiring module

- The wiring module is mounted in front of the main busbar.
  Where necessary, the module can be equipped with an additional DIN rail so as to be able to conveniently accommodate electrical components with a DIN rail fixing. The module also offers the possibility to install a cable duct for any control wiring / cross-wiring of the system. The cable duct itself is made of plastic-coated metal. Various holes or pre-punched areas are included both in the cable duct and in the wiring module to ensure convenient wiring of the system. The rear of the module is planked with an additional insulating partition of 3mm (see fig. 1).



Metering_compartment_RearAccess_ASSEM_H250

	a	b	c	d
W600	520	424	439	517
W800	720	624	639	717
W1000	920	824	839	817

1) Additional insulating partition at the rear

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ARCON Specific xEnergy Main Parts

ARCON parts for XP sections . . . . . Page xx
Arcon accessories for outgoing sections . . . . . Page xx
ARCON parts - overview of product range . . . . . Page xx
ARCON general accessories . . . . . Page xx

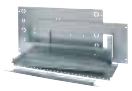
ARCON Parts for XP Sections — Main busbar Rear

Set of partitions incl. mounting plates for short-circuit unit

In order to prevent unwanted tripping of the ARCON unit due to light flashes that occur during standard activation of circuit breakers, additional partitions/light barriers are necessary. These additional components are integrated into the section variants featuring standard design and standard setup.



vt19016



vt18716

Section width mm	Circuit breaker	Poles	ACB ARCON set of partitions and mounting plates - withdrawable; Set includes: Mounting plate for quenching device, mounting plate in 2 parts (= cover of quenching device), partition below ACB, various fixing brackets and screws Article No. per pack/unit Pack = 1 Set	ACB ARCON set of partitions and mounting plates - fixed; Set includes: Mounting plates for quenching device, mounting plates in 2 parts (= cover of quenching device), partition below ACB, various fixing brackets and screws Article No. per pack/unit Pack = 1 Set
600	IZMX40	3	**XMIX40W06-ARC** 184811 186748*	**XMIX40F06-ARC** 184814 186751*
800	IZMX40	3+4	**XMIX40W08-ARC** 184812 186749*	**XMIX40F08-ARC** 184815 186752*
1000	IZMX40	3+4	**XMIX40W10-ARC** 184813 186750*	**XMIX40F10-ARC** 184816 186753*
1100	IZM63	3	**XMI63W11-ARC** 184817 186754*	-
1350	IZM63	3+4	**XMI63W135-ARC** 184818 186755*	-

Note * Finish in special RAL colour

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Set of partitions without mounting plates for short-circuit unit

In order to prevent unwanted tripping of the ARCON unit due to light flashes that occur during standard activation of circuit breakers, additional partitions/light barriers are necessary. These additional components are integrated into the section variants featuring standard design and standard setup.

Section width mm	Circuit breaker	Poles	vt48016 ACB ARCON Set of partitions and mounting plates - withdrawable Set includes: various partition panels, incl. fixing brackets and screws Article No. per pack/unit Pack = 1 Set	vt48216 ACB ARCON Set of partitions and mounting plates - fixed Set includes: various partition panels, incl. fixing brackets and screws Article No. per pack/unit Pack = 1 Set
425	IZMX16	3	**XPA-IZMX16-W04-BBB** 187148	**XPA-IZMX16-F04-BBB** 187150
600	IZMX16	3+4	**XPA-IZMX16-W06-BBB** 187149	**XPA-IZMX16-F06-BBB** 187151
600	IZMX40	3+4	**XPA-IZMX40-W06-BBB** 187152	**XPA-IZMX40-F06-BBB** 187155
800	IZMX40	3+4	**XPA-IZMX40-W08-BBB** 187153	**XPA-IZMX40-F08-BBB** 187156
1000	IZMX40	3+4	**XPA-IZMX40-W10-BBB** 187154	**XPA-IZMX40-F10-BBB** 187157
1100	IZM63	3	**XPA-IZM63-W11-BBB** 187158	**-**
1350	IZM63	3+4	**XPA-IZM63-W135-BBB** 187159	**-**

Note * Finish in special RAL colour

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ARCON Parts for XP Sections — Main busbar Top

Set of partitions without mounting plates for short-circuit unit

In order to prevent unwanted tripping of the ARCON unit due to light flashes that occur during standard activation of circuit breakers, additional partitions/light barriers are necessary. These additional components are integrated into the section variants featuring standard design and standard setup.



vt40516



vt40616

Section width mm	Circuit breaker	Poles	ACB ARCON Set of partitions and mounting plates - withdrawable Set includes: Light barriers below the ACB's, 2 pcs. universal mounting plates, 2 pcs. light separations above the ACB's, 2 pcs. mounting profiles incl. screws Article No. per pack/unit Pack = 1 Set	ACB ARCON Set of partitions and mounting plates - fixed Set includes: Light barriers below the ACB's, 2 pcs. universal mounting plates, 2 pcs. light separations above the ACB's, 2 pcs. mounting profiles incl. screws Article No. per pack/unit Pack = 1 Set
400	IZMX16	3+4	**XTPPIX16W-04-ARCON** 187314	**XTPPIX16F-04-ARCON** 187312
600	IZMX16	3+4	**XTPPIX16W-06-ARCON** 187315	**XTPPIX16F-06-ARCON** 187313
800	IZMX16	3+4	**XTPPIX40W-W800-ARCON** 187140	**XTPPIX40F-W800-ARCON** 187139

Support plate for Short-circuit Unit — Main busbar Top

The support plate is located above the main busbar and mounted together with a special version of the roof panel.

Section width	Section depth depth mm	Support plate short-circuit unit Article No. per pack/unit Pack = 1 pc.
independent	800	**XTPZBAVP-ARCON** 187138

Note * Finish in special RAL colour

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Doors — Main busbar Rear

With cut-out for ARCON Master.



vt17716

Section width mm	Circuit breaker	Door height mm	Door to switchgear area, with cut-out for Master unit (193x139mm) Set includes door incl. locking system, 2x hinges, 2x locking hooks, 1x cross-bar incl. fixing bracket, screws Article No. per pack/unit Pack = 1 Set	
600	IZMX40	650	**XSDMC0606-ARC** 184806	
800	IZMX40	650	**XSDMC0608-ARC** 184807	
1000	IZMX40	650	**XSDMC0610-ARC** 184808	
1100	IZM63	650	**XSDMC0611-ARC** 184809	
1350	IZM63	650	**XSDMC06135-ARC** 184810	

Powering Business Worldwide

Doors — Main busbar Top



vt42716

Section width mm	Circuit breaker	Door height mm	Door to switchgear area, with cut-out for Master unit (193x13 mm) Set includes door incl. locking system, 2x hinges, 2x locking hooks, 1x cross-bar incl. fixing bracket, screws Article No. per pack/unit Pack = 1 Set	
800	IZMX40	450	**XTSZDSQC-H450W800-ARCON** 187160	

Top panel — Main busbar Top



vt41016

Section width mm	Section depth mm	Degree of protection	Top panel Special version for the short-circuit unit. Incl. screws Article No. per pack/unit Pack = 1 Set	
800	800	IP31	**XTSZPTAV-W800-ARCON** 187143	
		IP42	**XTSZPTAPA-W800-ARCON** 187141	
		IP55	**XTSZPTAC-W800-ARCON** 187142	

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ARCON Accessories for Outgoing Sections

The area for connecting the individual modules is not actively monitored by ARCON. Therefore this area needs to be upgraded to an arc-fault protected zone. By using the following accessories, the concerned sections can be upgraded to IP4XD (no penetration of/contact with live parts by foreign bodies ≥ 1 mm).

For fixed circuit breakers


vt39516


vt39716


vt39916


vt39316


vt39416

Poles	Partition access. f. NZM1 modules Article No. per pack/unit Pack = 1 unit	Partition access. f. NZM2 modules Article No. per pack/unit Pack = 1 unit	Partition access. f. NZM3 modules Article No. per pack/unit Pack = 1 unit	Partition access. f. PKZM0/01/ PKE12/32 mod. Article No. per pack/unit Pack = 1 unit	Partition access. for PKZM4/ PKE65 modules Article No. per pack/unit Pack = 1 unit	
3	**XPA-NZM1-3-ARC XF** 185204	**-NZM2-3-ARC** 185206	**XPA-NZM3-3-ARC** 185208	**XPA-PKE32-ARC** 185202	**XPA-PKE65-ARC** 185203	
4	**XPA-NZM1-4-ARC** 185205	**XPA-NZM2-4-ARC** 185207	**XPA-NZM3-4-ARC** 185209	**-**	**-**	

For circuit breakers with plug-in unit/withdrawable unit (NZM3)

Poles	Partition accessories for NZM1 Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM2 Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM3 Article No. per pack/unit Pack = 1 unit	
3	**XPA-NZM1-3-XSV-ARC** 185216	**XPA-NZM2-3-XSV-ARC** 185217	**XPA-NZM3-3-XSV-XAV-ARC** 185219	
4	**-**	**XPA-NZM2-4-XSV-ARC** 185218	**XPA-NZM3-4-XSV-XAV-ARC** 185220	

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For Plug-In Modules (XR)



vt40116



vt40316

Poles	Partition accessories for NZM1 modules Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM2 modules Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM3 modules Article No. per pack/unit Pack = 1 unit	
3	**XPA-NZM1-3-XKR-ARC** 185210	**XPA-NZM2-3-XKR-ARC** 185212	**XPA-NZM3-3-XKR-ARC** 185214	
4	**XPA-NZM1-4-XKR-ARC** 185211	**XPA-NZM2-4-XKR-ARC** 185213	**XPA-NZM3-4-XKR-ARC** 185215	

For Plug-In modules with rear connection (XR)

Poles	Partition accessories for NZM1 modules Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM2 modules Article No. per pack/unit Pack = 1 unit	Partition accessories for NZM3 modules Article No. per pack/unit Pack = 1 unit	
3	**XPA-NZM1-3-XKR-XSV-ARC** 185221	**XPA-NZM2-3-XKR-XS-ARC** 185222	**XPA-NZM3-3-XKR-XSV/XAV-ARC** 185224	
4	**-**	**XPA-NZM2-4-XKR-XSV-ARC** 185223	**XPA-NZM3-4-XKR-XSV/XAV-ARC** 185225	

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ARCON Parts, Overview of Product Range

Central unit



VT37014

Article No. per pack/unit Pack = 1 unit
ARC-EM/2.0 172749

– Indication of the system status on a display and by LEDs
– 2 different tripping criteria, freely selectable:
light detection only --> activation of the trip relays (without quenching device)
light and current detection --> activation of the quenching device + trip relays
– Separate monitoring of two busbar sections
– Separate activation of two quenching devices, response time ~ 1 ms
– Two potential-free normally open contacts (trip relays) for each busbar section, for activating the shunt-trip release
– One potential-free normally open contact as a sum message in the event of an arc fault
– One potential-free normally open and normally closed contact each as an alarm contact for fault alarms
– Continued self-monitoring of the system
– Connection of three current transformers for current measurement (L1/L2/L3)
– Up to 16 Slave modules can be connected (depending on the line length, the Slave modules must separately be supplied with voltage)

Slave for accommodating the line-shaped light sensors



VT37514

Article No. per pack/unit Pack = 1 unit
ARC-EL3/2.0 172751

– Accommodation of up to 3 line-shaped light sensors
– Connection possibility for the mobile light sensor
– Indication of activated or faulty sensors
– Assignment of busbar zones by means of addressing
– 1 configurable potential-free normally open contact for activating the shunt-trip release

Slave for overcurrent detection

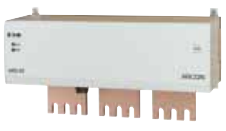


VT37714

Article No. per pack/unit Pack = 1 unit
ARC-EC1/2.0 172750

– Connection of three current transformers for overcurrent measurement (L1/L2/L3)
– Indication of overcurrent at the respective current transformer contact
– 1 configurable potential-free normally open contact for activating the shunt-trip release

Quenching device



VT37914

Article No. per pack/unit Pack = 1 unit
ARC-AT-T 283712
ARC-AT-B 283713

– Generates a three-phase short-circuit in less than 1 ms
– Rated short-time withstand current I_{cw} (tested):
85 kA / 1 s
105 kA / 0.5 s
150 kA / 0.2 s
– Fast replacement thanks to open long-holes at the copper connections
– LED indication of operation and tripped
– Easy handling during assembly thanks to “key-holes“ in the fastening straps
– ARC-AT-T: Installation at the top
– ARC-AT-B: installation at the bottom

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Line-shaped light sensor



VT38214

Total length/ active sensor length	Article No. per pack/unit Pack = 1 unit
10 m / 5 m	**ARC-SL10/BL** 179679
11 m / 6 m	**ARC-SL11/BL** 179680
12 m / 7 m	**ARC-SL12/BL** 179681
13 m / 8 m	**ARC-SL13/BL** 179682
15 m / 10 m	**ARC-SL15/BL** 179683
17 m / 12 m	**ARC-SL17/BL** 179684
20 m / 15 m	**ARC-SL20/BL** 179685
25 m / 20 m	**ARC-SL25/BL** 179686

– Blue protective hose for a better filtering effect and reduction of arc-fault sensitivity
– Temperature stability up to max. 125 °C (active sensor range)
– Continued self-monitoring
– Tensile load ≤10 N
– Minimum bending radius ≥30 mm

Mobile light sensor



VT38114

	Article No. per pack/unit Pack = 1 unit
	ARC-SM 283711

– Light sensor for temporary use
– Improved protection of people working under live conditions
– Inclusion into the system without reconfiguration
– Can be connected to at all visual detection units

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Accessories



ARC-CC02

Length	Article No. per pack/unit Pack = 1 unit
0.5 m	**ARC-CC00** 286390
1 m	**ARC-CC01** 286391
2 m	**ARC-CC02** 286392
3 m	**ARC-CC03** 170488
5 m	**ARC-CC05** 286393
7 m	**ARC-CC07** 170489
10 m	**ARC-CC10** 286394
15 m	**ARC-CC15** 286395
20 m	**ARC-CC20** 286396

Communication lines for Master-Slave and Slave-Slave connection



ARC-CCAT05

Length	Article No. per pack/unit Pack = 1 unit
2 m	**ARC-CCAT02** 184525
5 m	**ARC-CCAT05** 100038
10 m	**ARC-CCAT10** 100039
15 m	**ARC-CCAT15** 100040
20 m	**ARC-CCAT20** 100041

Communication lines for Master-Quenching- device connection

Extension cable for Master-Quenching-device connection (female-male)

Length	Article No. per pack/unit Pack = 1 unit
2 m	**ARC-ECAT02** 184526

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ARCON General Accessories

Shrink sleeve

	Shrink sleeve Roll of 5 m Colour black Diameter 64/32 mm Article No. per unit 1 unit = 1 roll	Shrink sleeve Roll of 5 m Colour black Diameter 127/64 mm Article No. per unit 1 unit = 1 roll	Shrink sleeve Roll of 5 m Colour black Diameter 254/127 mm Article No. per unit 1 unit = 1 roll	Shrink sleeve Roll of 5 m Colour black Diameter 381/195 mm Article No. per unit 1 unit = 1 roll
	ARC-SRT/BK/064/032/5M 184972	**ARC-SRT/BK/127/064/5M** 184973	**ARC-SRT/BK/254/127/5M** 184974	**ARC-SRT/BK/1381/195/5M** 184975

Insulation tape, fixing clip, fixing bracket, cellular rubber



vt43316



vt43016



vt43216



vt43516

	Electrical insulation tape self-sealing, Roll of 7 m, black Article No. per unit 1 unit = 1 Roll	Fixing clip for line sensor Article No. per unit Pack = 100 units	Fixing bracket for line sensor Fixing bracket on copper 10 mm Article No. per unit Pack = 100 units	Fixing clip for line sensor Article No. per unit Pack = 500 units	Cellular rubber 20 mm Article No. per unit Pack = 500 units
	ARC-TAPE/025/7M 184976	**ARC-CL095** 184970	**ARC-MB814** 184971	**ARC-MF** 289008	**ARC-MFR** 289009

Adhesive socket



vt43116

	Adhesive socket Article No. per unit Pack= 100 units	
	ARC-MKS 104541	

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ARCON

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Technical data . . . . . Page xx
Dimensions . . . . . Page xx

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General Information about ARCON

The consequences of an arc fault are well comparable with those of an explosion. They can include personal injuries, massive damage to the switchgear system and weeks of production standstill or even the need to completely replace the damaged switchgear system. In the worst case the production standstill can lead to bankruptcy because customers may find an other supplier in the meantime.
System availability is an extremely critical factor in today's competitive business environment, so it is important to take appropriate protective measures. IT centres, tunnel supplies and power supplies for uninterrupted manufacturing processes in chemical industry are among the main application areas of ARCON ®.

The two main functions of ARCON are:

Personal protection

Errors while working on live switchgear systems can be fatal. Nowadays, all renowned manufacturers of low-voltage switchgear systems offer an arc-fault protected version of their switchgear systems. However, personal protection is usually tested under unrealistic conditions with the switchgear system being closed. But according to statistical data provided by BGETEM, 2 out of 3 accidents happen while the switchgear system is opened. This is what we have to be aware of, and technical solutions need to be provided to maintain effective protection even while the switchgear system is opened.
Therefore Eaton teamed up with the Technical University TU Ilmenau to do some fundamental research. The outcome was that only extremely fast protection systems can provide "real" personal protection. With arc quenching times of only 2 ms, ARCON accomplishes unprecedented personal protection.

System protection

The impact of an arc fault can knock low-voltage switchgear systems out of service for weeks. If there is no backup energy supply system available, unwanted production downtimes will be the consequence. Here too, the only remedy is an effective system protection that limits the effects of an arc fault to a minimum and allows fast restarting the system. ARCON limits the effects of an arc fault to its root points. Once the cause has been eliminated and the quenching device has been replaced, the system will be operative again in no time at all and the required system availability will be restored.

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Arc-Fault Protection up to 100 kA

With the ARCON Arc-Fault Protection system

Personal and system protection up to 100 kA

With the ARCON arc-fault protection system consisting of sensors, evaluation unit and quenching device, a maximum of protection for people and systems can be guaranteed up to 100kA.
The impacts of an arc fault are limited to the root points of the arc fault. The switchgear system is ready to operate again as soon as the cause of the fault has been eliminated and the quenching device has been replaced. ARCON provides its protection under arc-fault conditions as of a conditional short-circuit current of $I_{pc\ arc}$ = 7.5 kA.

Test standard
IEC/TR 61641: 2014 Edition 3.0

Test data

• Conditional short-circuit current admitted under arc-fault conditions	$I_{pc\ arc}$ up to 100 kA
• Test voltage	U_e = 415 V
• Duration of the power flow	t = 300 ms
• Quenching of the arc fault	< 2 ms
• Rated short-time withstand current of the quenching device	I_{cw} = 85 kA_{eff} / 1 s I_{cw} = 105 kA_{eff} / 0.5 s I_{cw} = 150 kA_{eff} / 0.2 s
• Limitation to the root points	

Basic equipment of the distribution sections
Same as with conventional arc-fault protection, plus:
- Electronic evaluation unit (Master) ARC-EM/2.0
- Electronic evaluation unit (Slaves) ARC-EL3/2.0 and ARC-EC1/2.0
- Light sensors ARC-SLxx/BL
- Standard current transformer
- Standard setup of XP sections with modified partitions and carrier plates for quenching device
- Connection cable ARC-CCxx
- Quenching device ARC-AT-T /-B
- Connection cable ARC-CCATxx

Installation in
an xEnergy Main system/main busbar rear up to 5500A or main busbar top up to 4500A

Installation of the components

Light sensors ARC-SLxx/BL
- Main busbar and dropper bar area
- Connection bar from the main busbar to the circuit breaker
- Bar connection from the circuit breaker to the outgoing point

Light sensors can only reach as far as the adjacent section to be connected to an electronic evaluation unit (Slave) ARC-EL3/2.0. Therefore the Slaves ARC-EL3/2.0 need to be positioned accordingly.
One ARC-SLxx/BL sensor will do per section and busbar.

Current sensors
- In all feeders, upstream the circuit breakers
- When using transformer disconnect terminals, the devices must electrically be positioned between the transformer and the disconnect terminal to make sure the function remains active even if the transformer disconnect terminals are bridged.
- For external current measurement, you will need to install a separate set of transformers.

You can use conventional current transformers with a secondary current of I_N = 1 A or 5 A.
Where measuring transformers are used, they can also be used as current sensors provided a series connection is established.

Electronic evaluation unit (Slave) ARC-EL3/2.0 for three line-shaped light sensors, and electronic evaluation unit (Slave) ARC-EC1/2.0 for a set of current transformers.
In the functional area above and below the switchgear area (ACB/air circuit breaker).

Electronic evaluation unit (Master) ARC-EM/2.0
- In the front door of an XP section

Quenching device ARC-AT
- Installation in the functional area (above or below the circuit breaker in the XP section)
- Section width as of 600 mm

Functional description

The ARCON arc-flash protection system consists of light sensors and current sensors, the electronic evaluation units and the quenching de-vice.
In addition, so-called arc-fault protected zones must be created in the outgoing sections. In every module's area, this applies to the connection line from the dropper bar into the module, to the terminals of the switch. For this purpose, we provide special partition sets and accessories. The installation has to be carried out in accordance with the build-ing and installation instructions.

Using ARCON line sensors based on optical fibre, main busbars and dropper bars as well as all bar connections and connection systems can be monitored along their entire length (in a line-shaped way). One light sensor is necessary for each main busbar system in each section.

The arc current is captured by measuring transformers upstream every feeder circuit breaker. Here you can use conventional transformers with secondary currents of either 1 A or 5 A.

In order to prevent unwanted tripping, several additional measures need to be taken for all circuit breaker modules. These measures need to be taken for all XP sections with air circuit breakers (ACB). Light flashes generated when activating the circuit breakers must be kept away from the light sensors.
Partition sets need to be selected according to the section width and the type of circuit breaker.

Outgoing sections

The connection area of the individual modules is not actively monitored by ARCON. Therefore this area needs to be upgraded to an arc-fault protected zone. Using the following accessories, these zones can be upgraded to IP4XD (no penetration of/contact with live parts by foreign bodies ≥ 1 mm).
Partition sets need to be selected according to section variants, circuit breaker sizes and their different versions.

General notes on the ARCON arc-fault protection system

Tripping of the feeder circuit breakers
All circuit breakers (or couplers) feeding the busbar zone to be protected (zone) will trip at the same time when an arc-fault occurs. → Each circuit breaker needs to be equipped with a shunt-trip release!

Availability
The system has to be equipped with an uninterruptable backup power supply system (e.g. USV as a backup).

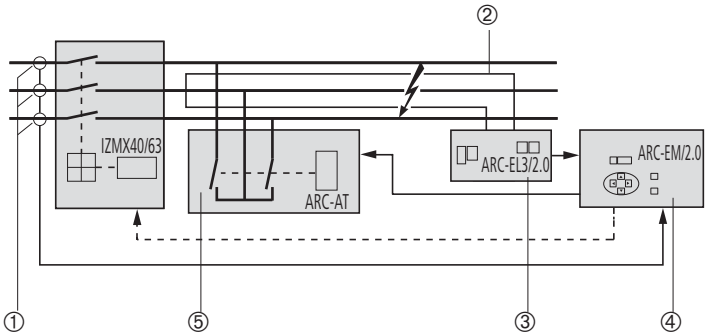
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ARCON Arc-Fault Protection System

Configuration example with one main busbar system (to be used with main busbar system rear or top)

Functional principle

Arc-fault protection up to 100 kA

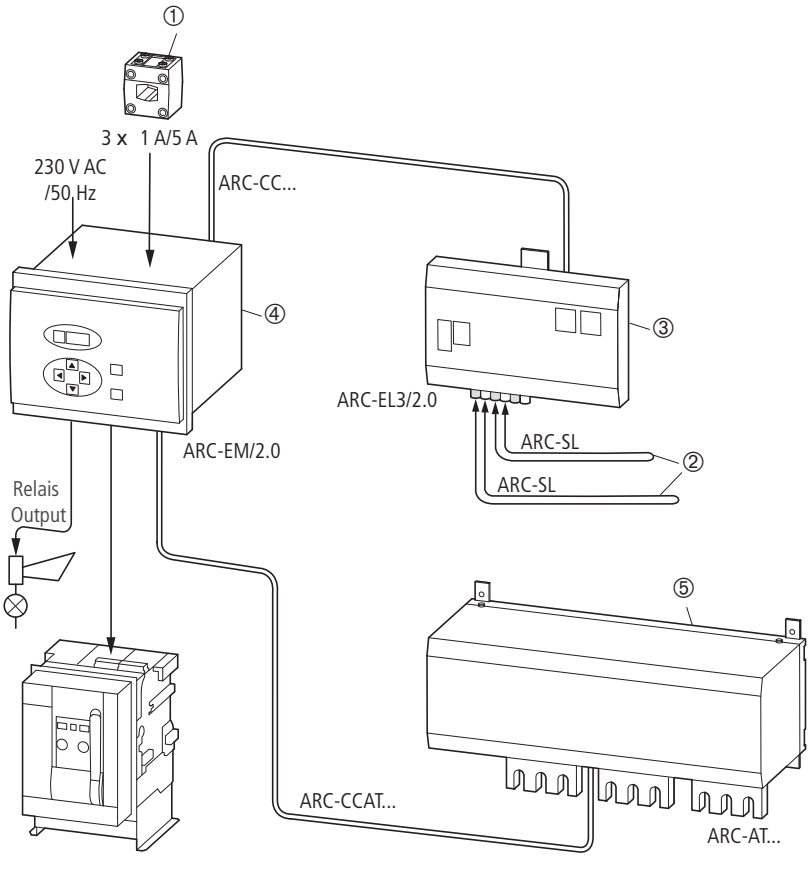


ARCON_Funktionsprinzip

- Electronic evaluation unit, light and current sensors and quenching device
- Quenching of the arc within 2 ms using a quenching device

① Current transformer
② Line-shaped light sensor ARC-SLxx/BL
③ Electronic evaluation unit (Slave) ARC-EL3/2.0
④ Electronic evaluation unit (Master) ARC-EM/2.0
⑤ Quenching device ARC-AT...

Components



ARCON_Komponenten

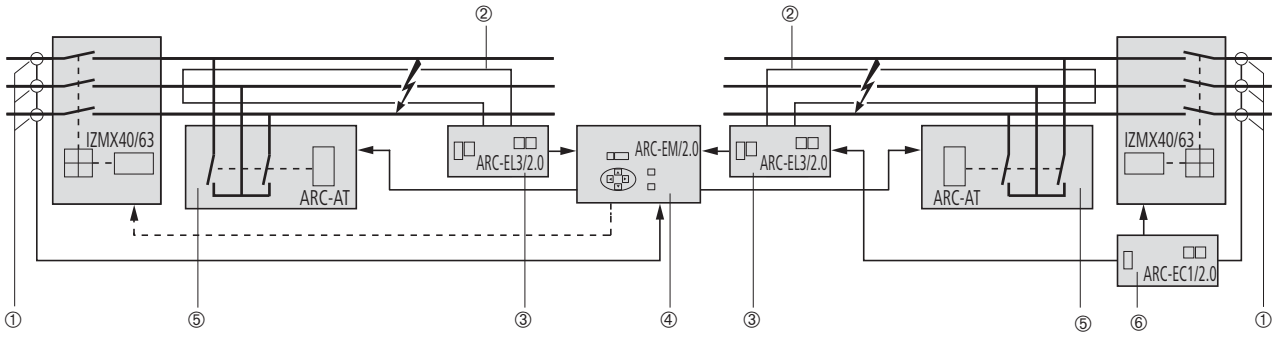
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ARCON Arc-Fault Protection System

Configuration example with two main busbar systems (to be used with main busbar system rear or top)

Functional principle

Arc-fault protection up to 100 kA



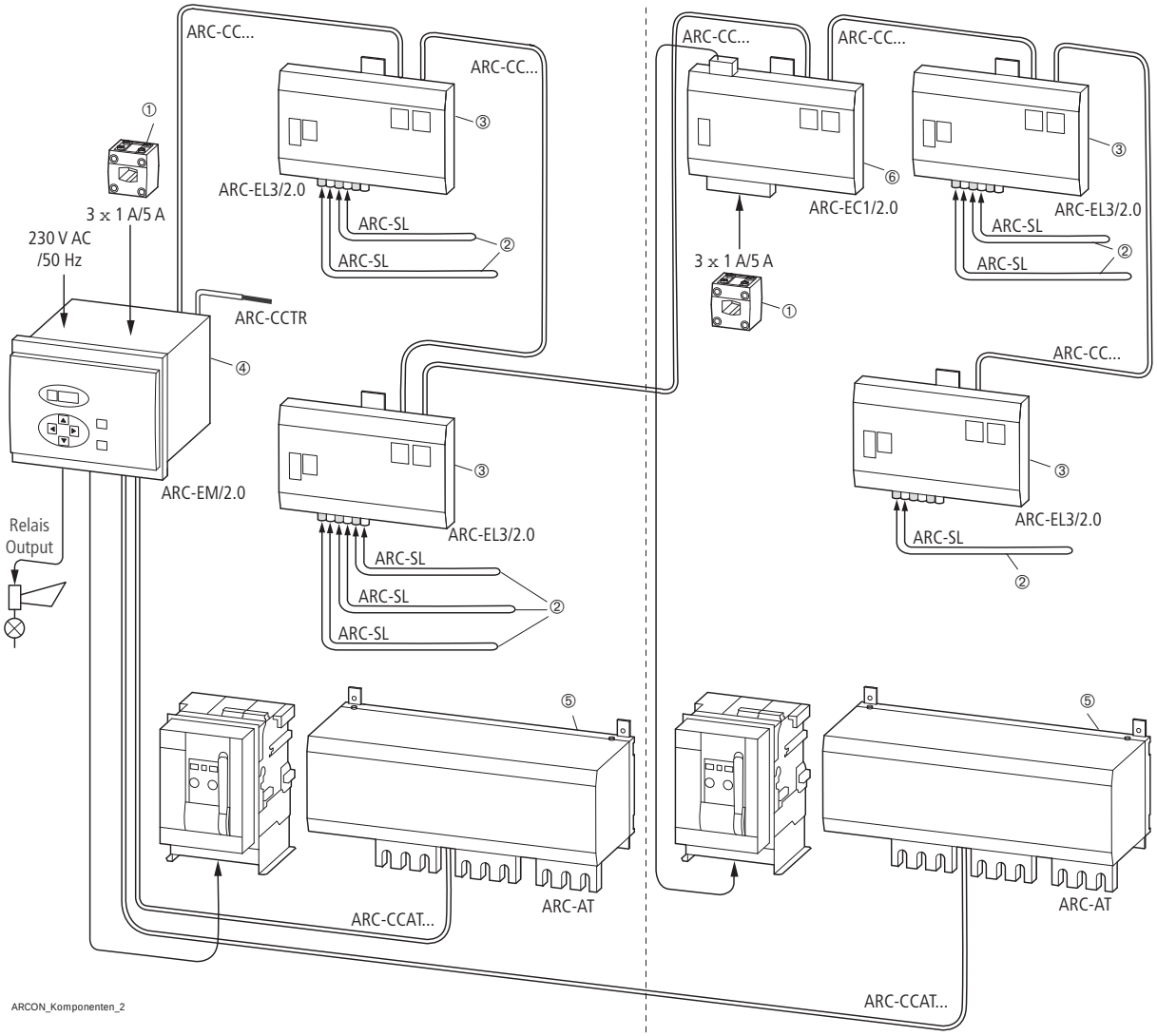
- Electronic evaluation unit, light and current sensors plus quenching device
- Quenching the arc with the quenching device within 2 ms

① Current transformer
② Line-shaped light sensor ARC-SLxx/BL
③ Electronic evaluation unit (Slave) ARC-EL3/2.0
④ Electronic evaluation unit (Master) ARC-EM/2.0
⑤ Quenching device ARC-AT...
Only necessary as of two feeders:
⑥ Electronic evaluation unit (Slave) ARC-EC1/2.0

Components

Main busbar system 1

Main busbar system 2



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ARCON Planning Example

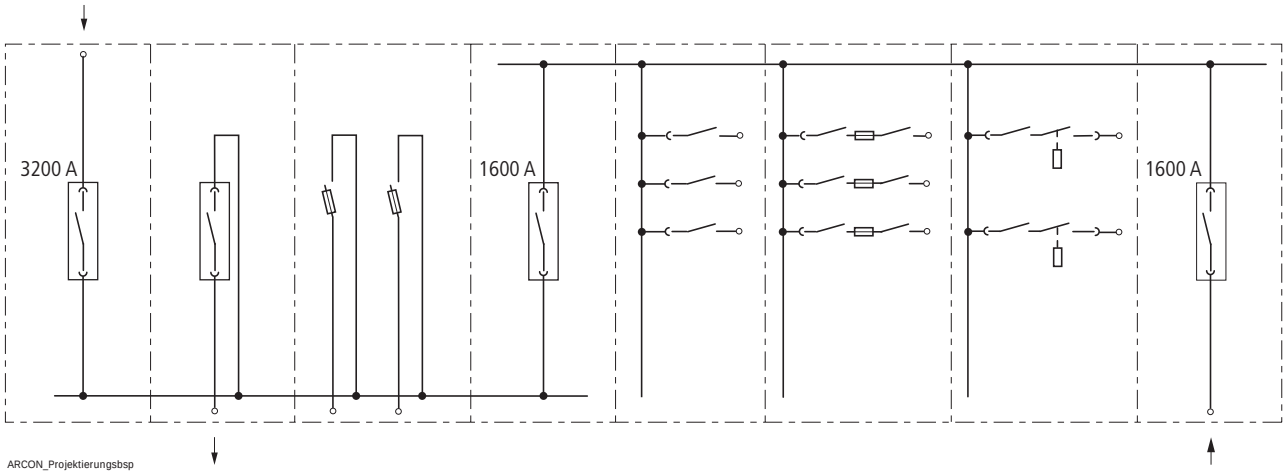
Description of the switchgear system

The switchgear system consists of 8 sections, has 2 main busbar zones with one feeder each. Thanks to the coupler switch in section 4, both main busbar zones can be interlinked. The feeder in section 1 is supplied by a transformer via a busbar trunking system.

The feeder in section 8 is supplied by an emergency backup generator via a cable. In section 1 a 3200-A circuit breaker is used, in section 8 and section 4 a 1600-A circuit breaker is used. All circuit breakers are in withdrawable design.

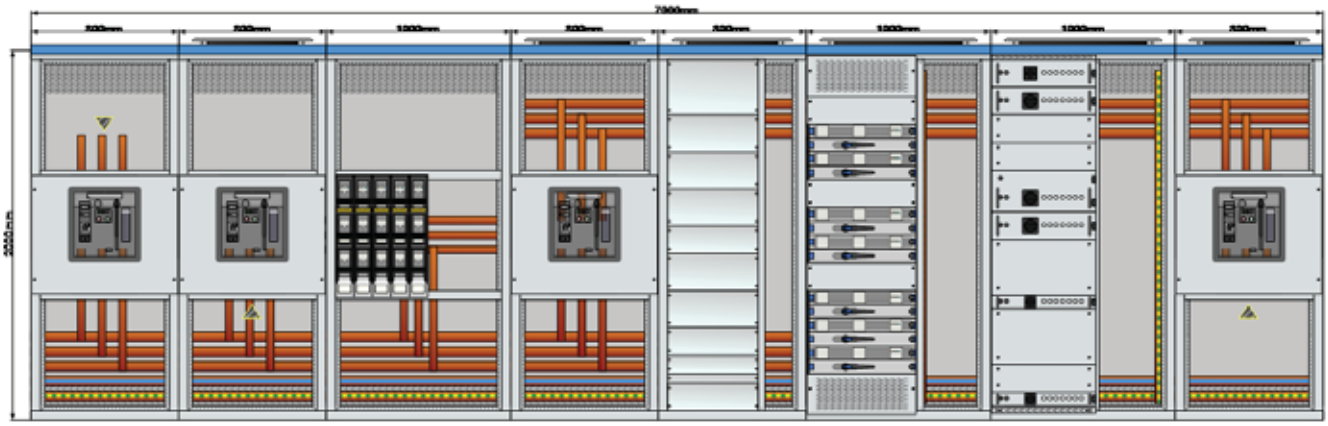
Task

Installing the ARCON arc-fault protection system in this switchgear system.



ARCON_Projektierungsbsp

Section no. 1 2 3 4 5 6 7 8



ARCON_Projektierungsbsp_2

Single-pole connection diagram and front view of the switchgear system example
Depth = 600 mm

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ARCON Planning Example

Step one

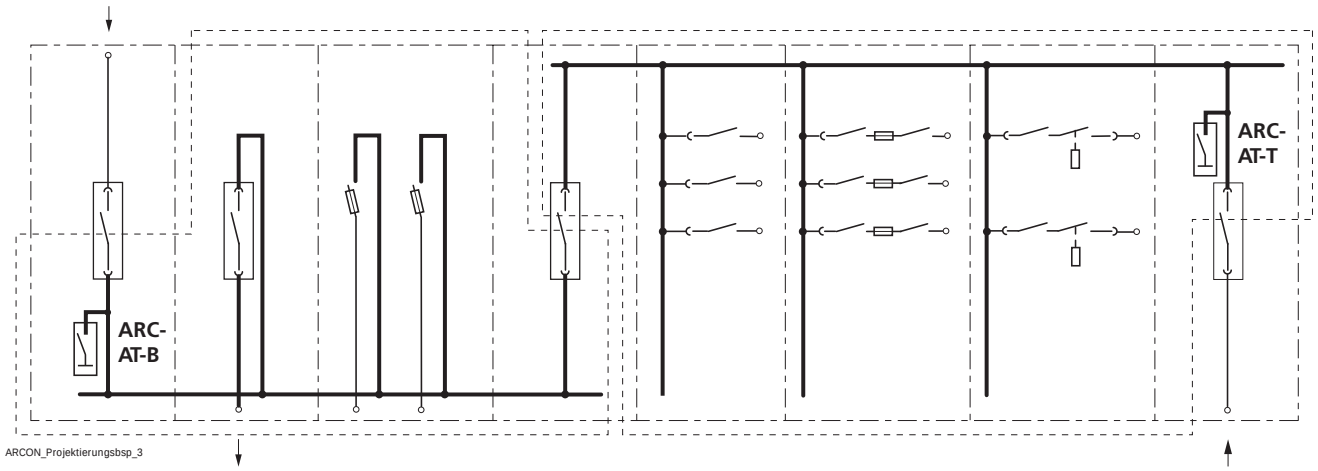
Definition of the zones to be protected:

ARCON is able to selectively protect the main busbar zones within the switchgear system, i.e. that only the zone affected by an arc fault will be switched off. The rest of the switchgear system continues in operation. An affected zone will be limited by the feeder circuit breakers and the coupler switches. In our example, we have two zones to be protected, i.e. we need two quenching devices. **(Number of zones = number of quenching devices).**

If possible, the quenching devices should be positioned in the feeder section in order to keep the strain on the switchboard systems due to the short-circuit as low as possible in case they are activated. In section 1 of our example (feeder LD bar from the top) you will need a device for installation at the bottom ARC-AT-B (bottom) and in section 8 (feeder via cable from the bottom) you will need a device for installation at the top, ARC-AT-T (top). The inserts will need to be selected depending on the feeder sections.

Zone 1 = Tripping Group 1

Zone 2 = Tripping Group 2



Section no.: 1 2 3 4 5 6 7 8

Division of the switchgear system example into zones (protected zones).

ARCON specific parts to be added to the parts list:

Section	Quantity	Type	Art.-No.	Description
1	1	ARC-AT-B	283713	Quenching device, installation at the bottom (for zone 1)
8	1	XSDMC0608-ARC	184807	Door with ARCON cut-out
1, 2, 4, 8	1 unit each	XMIX40W08-ARC	184812	Set of partition/mounting plates for quenching device/fixed
8	1	ARC-AT-T	283712	Quenching device, installation at the top (for zone 2)
5	5	XPA-NZM3-3-ARC	185208	Partition set for NZM3/Fixed
7	4	XPA-NZM2-3-ARC	185206	Partition set for NZM2/Fixed
7	2	XPA-PKE32-ARC	185202	Partition set for PKZM0

Note: The system must have a minimum internal separation of Form 2b.

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ARCON Planning Example

Step two

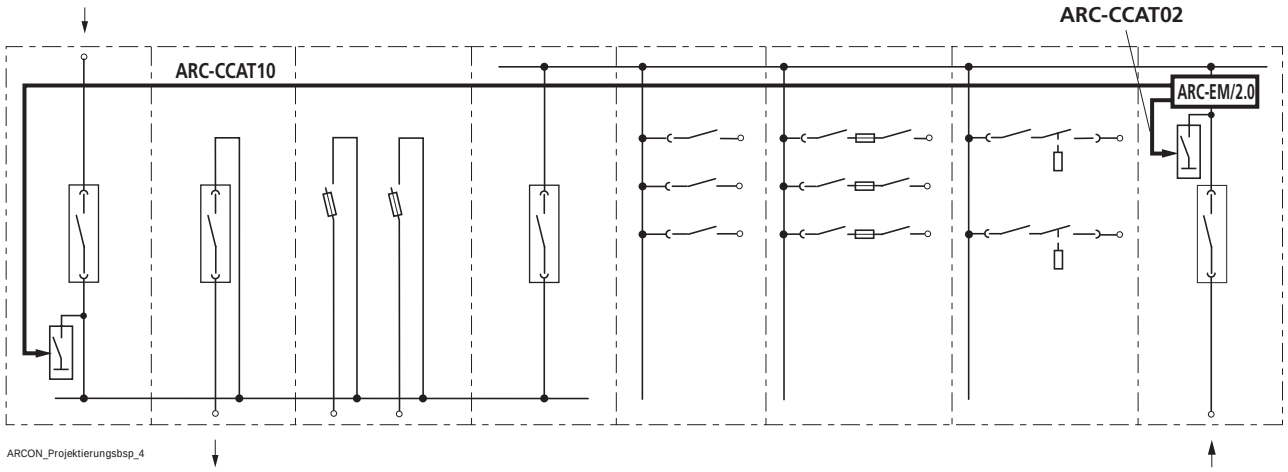
Determination of the number and the position of the Master unit(s):

In the event of an arc-fault, the Master unit ARC-EM/2.0 energizes the quenching devices and can monitor two zones separately. If more than two zones in a system should be monitored, you will need additional Master units. They can be interlinked through a connection line which enables them to exchange the overcurrent signals of the Master units.

So it makes sense to position the Master unit in the door to the switchgear system, in front of a quenching device. This way you can reduce the wiring effort.

For this switchgear system example, we need one Master unit only which is to be positioned in section 8. In case of the feeder coming in from the top, we would have to look for an alternative position.

To connect the Master with the quenching device, a pre-fabricated cable of type ARC-CCAT is required.



Section no.: 1 2 3 4 5 6 7 8

Determination of the number and position of the Master units ARC-EM/2.0

To be added to the parts list:

Section	Quantity	Type	Description
8	1	ARC-EM/2.0	Master unit
8	1	ARC-CCAT02	Connection cable between Master and quenching device - 2 m long
8	1	ARC-CCAT10	Connection cable between Master and quenching device - 10 m long

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ARCON Planning Example

Step three

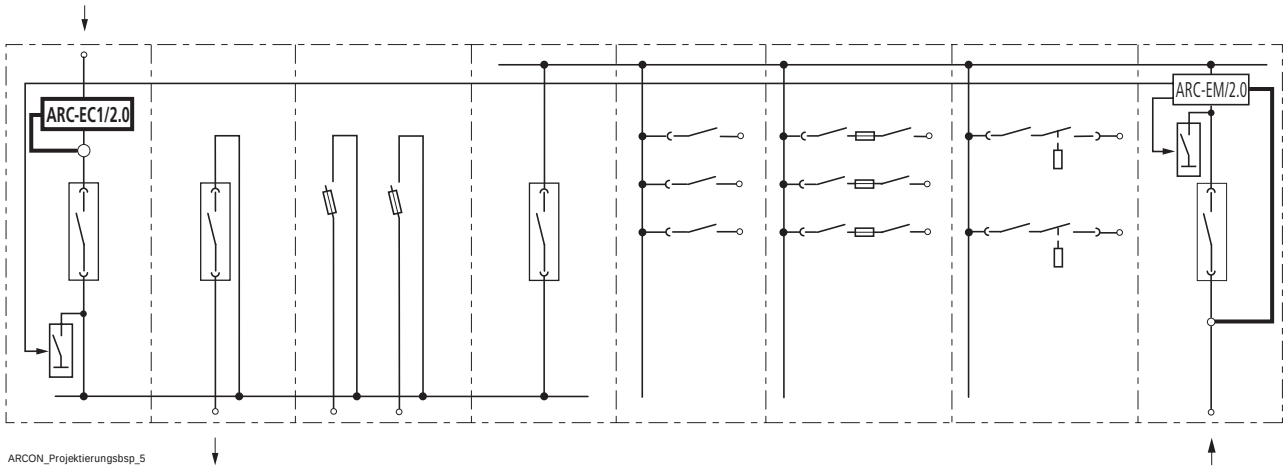
Sets of current transformers:

In each feeder system we need a set of current transformers (3 transformers) that have to be positioned upstream the feeder circuit breaker. You can use transformers with secondary currents of 1 A or 5 A. Existing measuring transformers can be used in case of series connection.

The Master unit ARC-EM/2.0 provides the possibility to directly connect a set of transformers. For every further feeder you will need Slave modules of type ARC-EC1/2.0.

In this example, the first set of transformers in section 8 will be directly connected with the Master.

For the feeder in section 1, a Slave module ARC-EC1/2.0 needs to be used.



Section no.: 1 2 3 4 5 6 7 8

Selection of the set of current transformers and their connection.

To be added to the parts list:

Section	Quantity	Type	Description
1	1	ARC-EC1/2.0	Slave module ARC-EC1/2.0

ATTENTION:

When using transformer disconnect terminals, you have to make sure that the correct functioning of ARCON will not be impaired even when using bridged disconnect terminals.

The devices (ARC-EM/2.0 and ARC-EC1/2.0) must be positioned in series, upstream the disconnect terminals!

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ARCON Planning Example

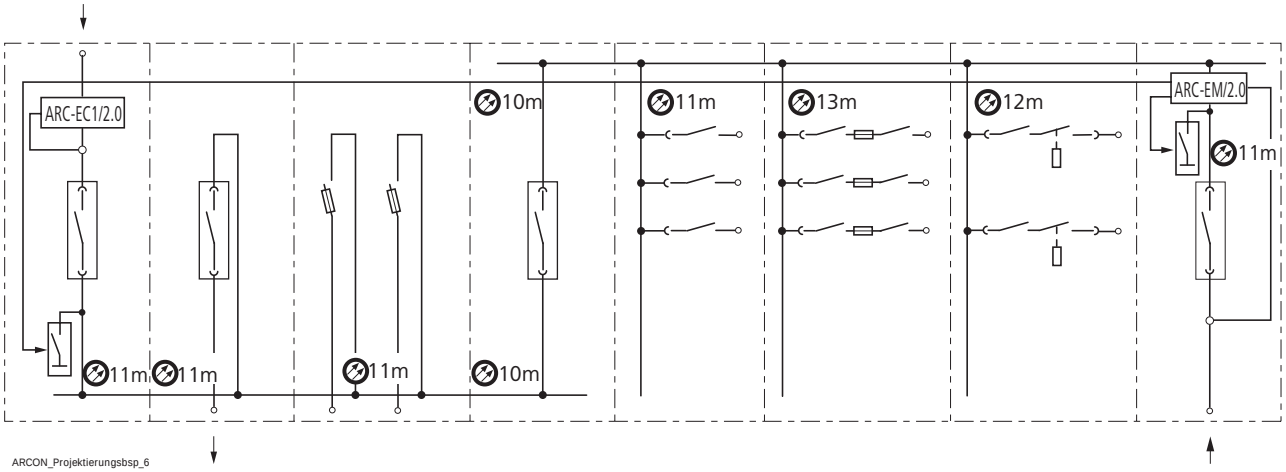
Step four

Selection of the sensor lengths ARC-SLxx/BL:

For each main busbar system per section, you will need a light sensor. The required length can be determined according to the selection table and depends on the section type, the section width and the main busbar current.

For section 1, for example, you will need a sensor ARC-SL12 of 12 m length. Here we are talking about a feeder section with a quenching device, the section is 800 mm wide and we have a single main busbar up to 3200 A.

The same procedure shall apply to all other sections.



Section no.: 1 2 3 4 5 6 7 8

Selection of the sensors ARC-SLxx/BL

To be added to the parts list:

Section	Quantity	Type	Description
1	1	ARC-SL11/BL	XP section, feeder with quenching device, 800 mm wide, main busbar up to 3200 A
2	1	ARC-SL11/BL	XP section, outgoing, 800 mm wide, main busbar up to 3200 A
3	1	ARC-SL11/BL	XF section 1000 mm wide, main busbar up to 3200A, dropper bar = 1600A
4	2	ARC-SL10/BL	XP section, coupler, 800 mm wide, main busbar 3200 A
5	1	ARC-SL11/BL	XF section, 800 mm wide, main busbar 3200 A, dropper bar - single
6	1	ARC-SL13/BL	XW section, 1000 mm wide, main busbar 3200 A, dropper bar - single
7	1	ARC-SL12/BL	XW section, 1000 mm wide, main busbar 3200 A, dropper bar - double
8	1	ARC-SL11/BL	XP section, feeder with quenching device, 800 mm wide, main busbar 3200 A

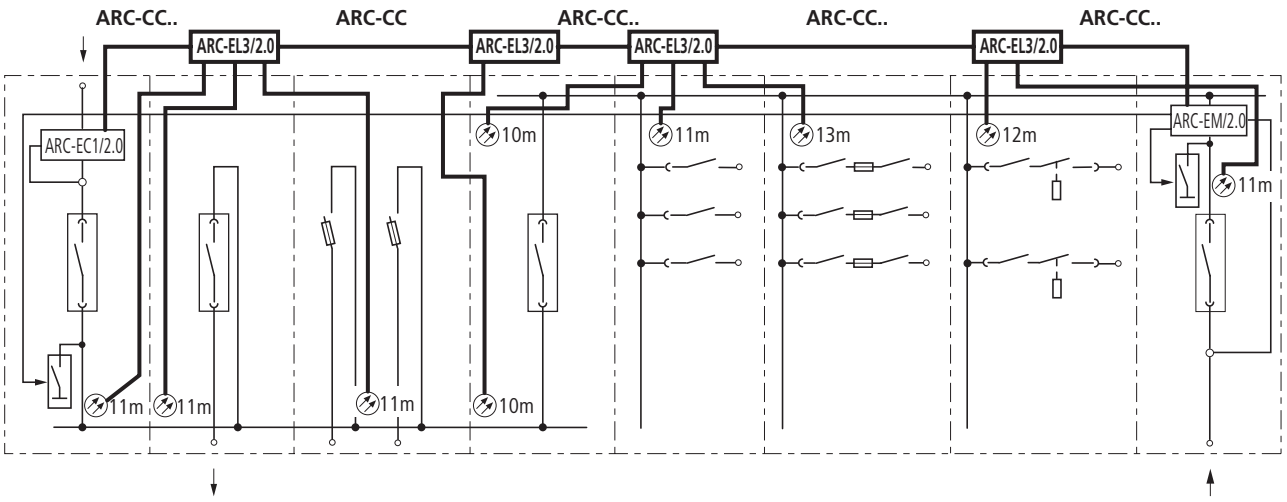
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ARCON Planning Example

Step five

Number and position of the Slave units ARC-EL3/2.0 (light sensor evaluation):
The number of Slave units ARC-EL3/2.0 for light sensor evaluation depends on the number of sensors required for one zone. You can connect up to three ARC-SLxx/BL sensors to each ARC-EL3/2.0.
This means: **Number of Slave units per zone = number of light sensors per zone, divided by three and rounded up to an integer number. Example: In zone 1 there are 4 light sensors → 4/3 = 1.3 → 2 Slaves ALC-EL3/2.0**
The Slave units (ARC-EL3/2.0 and ARC-EC1/2.0) are all interlinked by a connection cable ARC-CCxx (pre-fabricated bus cable) and they are also connected to the Master unit ARC-EM/2.0.

This means: The number of connection cables ARC-CCxx = Number of Slave units. The Slave units are usually positioned in a way that in addition to the sensor in the same section, it is also possible to connect a sensor of the left or right adjacent section to the Slave units.
In our example, we have two ARC-EL3/2.0 for each zone. They are placed in section 2, section 4, section 5 and section 7. Then you can plan the connection cables (their length can vary, see the corresponding types).



Section No.: 1 2 3 4 5 6 7 8

Number and position of ARC-EL3/2.0.

To be added to the parts list:

Section	Number	Type	Description
2	1	ARC-EL3/2.0	Slave unit with line sensors, zone 1
4	1	ARC-EL3/2.0	Slave unit with line sensors, zone 1
5	1	ARC-EL3/2.0	Slave unit with line sensors, zone 2
7	1	ARC-EL3/2.0	Slave unit with line sensors, zone 2
1 to 8	5	ARC-CCxx	Connection cable (Bus) for Slave units ARC-EL3/2.0+ARC-EC1/2.0

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ARCON Planning Example

Step six

Assignment of Slave addresses

General rules:

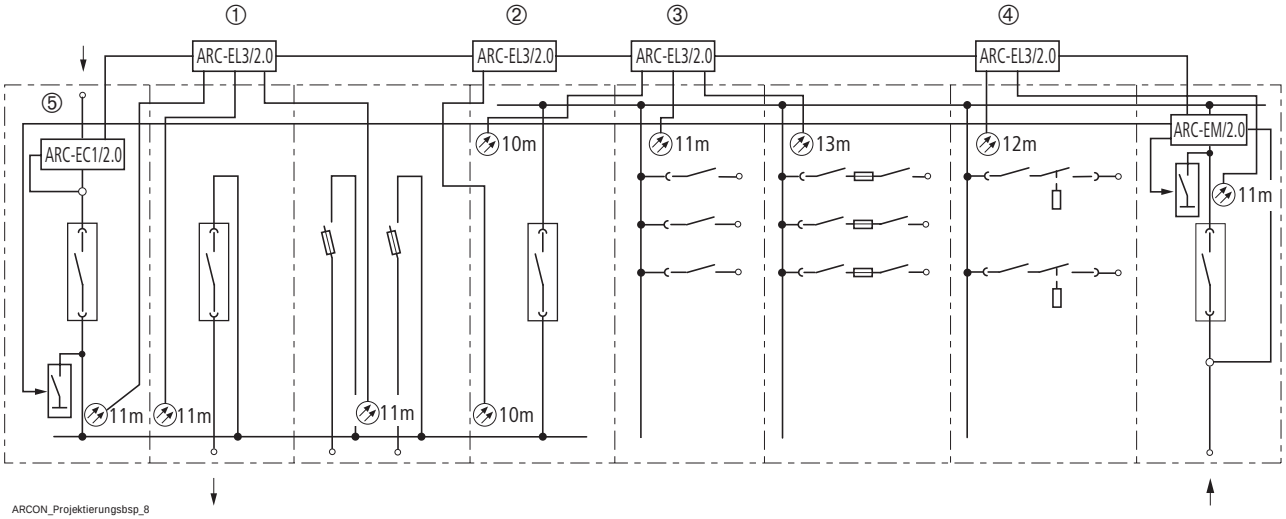
- Sensors ARC-SLxx/BL of different zones must not be connected to one and the same Slave module ARC-EL3/2.0!
- Each Master unit ARC-EM/2.0 can supply energy for up to 16 Slave modules, thereof a max. of 8 Slave modules ARC-EC1/2.0.

For the assignment of the Slave addresses of ARC-EL3/2.0 units, it is important to take account of the zones the connected sensors are assigned to. The Slave modules with the sensors of Zone 1 will be assigned addresses from 00 to 07. Those with the sensors of Zone 2 will be assigned addresses from 08 to 15.

The units ARC-EC1/2.0 will be assigned addresses from 33 to 47.

The addresses can be set at the device front, using DIP switches available for this purpose. The addresses have to be included in the wiring documentation and must be documented there.

In the example below, we selected the addresses 01 and 02 for the ARC-EL3/2.0 in Zone 1, and the addresses 10 and 11 for ARC-EL3/2.0 in Zone 2. The Slave module ARC-EC1/2.0 gets the address 39.



Addressing the Slave units.

Key

① Address 01
② Address 02
③ Address 10
④ Address 11
④ Address 39

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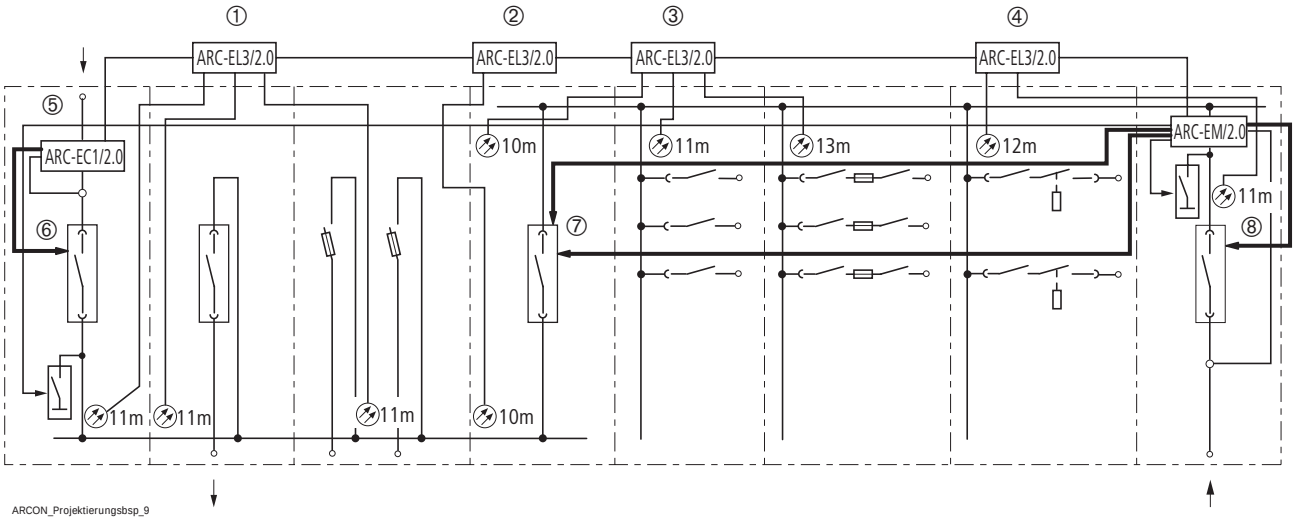
ARCON Planning Examples

Step seven
Activating the circuit breakers
General rule:

- All feeders and couplers that limit a zone to be protected need to be designed as circuit breakers. In the event of an arc fault, they must be able to switch off the short circuit generated by the quenching device!

Tripping of the circuit breakers will be triggered by activating the shunt trip releases, via the relay contacts of the Master unit ARC-EM/2.0 or the relay contacts at the ARC-EC1/2.0.
Please make sure to prevent the coupler from being activated. For this purpose, there are two potential-free normally-open contacts available for two zones each. The interaction between zone setting and relay contacts (tripping group 1+2) is displayed in the relay matrix (reference to the ARCON Manual).

In this example, the shunt trip release of the circuit breakers need to be energized in a way, that in the event of an arc fault in zone 1, the feeder in section 1 and the coupler in section 4 will trip. The same also applies to zone 2 (feeder section 8 and coupler section 4).
This means that the coupler is activated by a potential-free relay contact from one zone each (contact trip 1 from zone 1 and contact trip 3 from zone 2). The feeder circuit breakers will be activated by an additional contact of the Master unit (Trip 4 for breaker in section 8) or of the Slave module ARC-EC1/2.0 (contact X2:15/X2:16 for breaker in section 1).
Activation of the contact X2:15/X2:16 of ARC-EC1/2.0 needs to be set to tripping in zone 1 by using the DIP switch at the device front.



Activating the circuit breakers

In systems with a different circuit breaker configuration you need to proceed in a similar way.

Key
⑥ Trip contact X2:15/X2:16, set the assignment to Zone 1 at the DIP switch
⑦ Trip 1 for Zone 1, Trip 3 for Zone 2
⑧ Trip 4 for Zone 2

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Selection table for ARCON light sensors depending on the section width and on the main busbar currents

Selection table for how to select the light sensor length

The maximum distance for light sensors to be connected to an electronic evaluation unit (Slave) ARC-EL3/2.0 is the distance to the adjacent section. So the Slaves ARC-EL3/2.0 need to be positioned accordingly.

For every main busbar per section, one sensor ARC-SLxx/BL will be sufficient. The light sensor consists of one active and two passive parts (each 2.50 m long). The passive parts are equipped with a protective sleeve and serve as a connection to the Slave ARC-EL3/2.0. The active part detects the light generated by an arc fault and is installed in the areas at risk. The required sensor length depends on the type of section that needs to be equipped and can be selected from the selection table below. The required fastening materials have to be determined either using the Configurator for generating offers/orders, or using the relevant building instructions.

Selection table for sensor lengths

Main busbar - rear

				Section depth 600																							
				Section width 425	600	800	1000	1100	1200	1350	425	600	800	1000	1100	1200	1350	425	600	800	1000	1100	1200	1350
Section Type	Description 1	Description 2	Description 3																								
XP	ACB (IZMX16, IZMX40, IZM63)	OPPO	Single	-	15	15	15	-	-	-	-	15	15	15	15	-	15	-	15	15	15	15	-	15
XP	ACB (IZMX16 ,IZMX40, IZM63)	OPPO	Side by Side	-	-	15	15	-	-	-	-	-	15	15	-	-	-	-	-	15	15	-	-	-
XP	ACB (IZMX16, IZMX40, IZM63)	EVEN	Single	-	15	15	15	-	-	-	-	15	15	15	17	-	20	-	15	15	15	17	-	20
XP	ACB (IZMX16, IZMX40, IZM63)	EVEN	Side by Side	-	-	15	15	-	-	-	-	-	15	15	-	-	-	-	-	15	15	-	-	-
XP	ACB (IZMX16,I ZMX40, IZM63)	Coupling	Single	-	2x10	2x10	2x10	-	-	-	-	2x10	2x10	2x10	2x10	-	2x10	-	2x10	2x10	2x10	2x10	-	2x10
XP	ACB (IZMX16, IZMX40, IZM63)	Coupling	Side by Side	-	2x10	2x10	2x10	-	-	-	-	2x10	2x10	2x10	2x10	-	2x10	-	2x10	2x10	2x10	2x10	-	2x10
XP	MCCB (NZM3, NZM4)	OPPO	Single	10	10	11					11	11	12					11	11	12	-	-	-	-
XP	MCCB (NZM3, NZM4)	OPPO	Side by Side	-	11	11	11	-	-	-	-	12	12	12	-	-	-	-	12	12	12	-	-	-
XP	MCCB (NZM3, NZM4)	EVEN	Single	10	10	11					11	11	12					11	11	12	-	-	-	-
XP	MCCB (NZM3, NZM4)	EVEN	Side by Side	-	11	11	11	-	-	-	-	12	12	12	-	-	-	-	12	12	12	-	-	-
XP	MCCB (NZM3, NZM4)	Coupling	Single	10	10	10	10	-	-	-	10	10	10	10	-	-	-	10	10	10	10	-	-	-
XP	MCCB (NZM3, NZM4)	Coupling	Side by Side	-	10	10	10	-	-	-	-	10	10	10	-	-	-	-	10	10	10	-	-	-
XF	Universal Section	Busbar Back-Top		10	11	12	12	-	-	-	10	12	12	12	-	-	-	10	12	12	12	-	-	-
XF	Universal Section	Busbar Back-Bottom		10	11	12	12	-	-	-	10	12	12	12	-	-	-	10	12	12	12	-	-	-
XF	Box Solution	Busbar Back-Top		-	11	12	12	-	-	-	-	12	12	12	-	-	-	-	12	12	12	-	-	-
XF	Box Solution	Busbar Back-Bottom		-	11	12	12	-	-	-	-	12	12	12	-	-	-	-	12	12	12	-	-	-
XF	SL-I Section: Single Busbar	Busbar Back-Top		-	10	10	10	-	-	-	-	10	10	10	-	-	-	-	11	11	11	-	-	-
XF	SL-I Section: Single Busbar	Busbar Back-Bottom		-	10	11	11	-	-	-	-	11	11	11	-	-	-	-	12	12	12	-	-	-
XF	SL-I Section: Double Busbar	Busbar Back-Top		-	10	10	10	-	-	-	-	10	10	11	-	-	-	-	12	12	12	-	-	-
XF	SL-I Section: Double Busbar	Busbar Back-Bottom		-	11	11	11	-	-	-	-	11	11	12	-	-	-	-	12	12	12	-	-	-
XR	Mixed Section			-	-	-	13	-	13	-	-	-	-	13	-	13	-	-	-	-	15	-	15	-
XR	PIFT Horizontal			-	-	-	13	-	13	-	-	-	-	13	-	13	-	-	-	-	15	-	15	-
XR	PIFT Vertical	Busbar Back-Top		-	10	10	10	-	-	-	-	10	10	11	-	-	-	-	12	12	12	-	-	-
XR	PIFT Vertical	Busbar Back-Bottom		-	11	11	11	-	-	-	-	11	11	12	-	-	-	-	12	12	12	-	-	-
XW	Withdrawable Section			-	-	-	12	-	13	-	-	-	-	13	-	13	-	-	-	-	13	-	13	-
XG	General Fittings			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
XG	Corner Section			-	11-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	11	-	-	-

Selection Table for Light Sensors — Main busbar Top

Selection table for ARCON light sensors depending on the section width and on the main busbar currents

Selection table for how to select the light sensor length

The maximum distance for light sensors to be connected to an electronic evaluation unit (Slave) ARC-EL3/2.0 is the distance to the adjacent section. So the Slaves ARC-EL3/2.0 need to be positioned accordingly.

For every main busbar per section, one sensor ARC-SLxx/BL will be sufficient. The light sensor consists of one active and two passive parts (each 2.50 m long). The passive parts are equipped with a protective sleeve and serve as a connection to the Slave ARC-EL3/2.0. The active part detects the light generated by an arc fault and is installed in the areas at risk. The required sensor length depends on the type of section that needs to be equipped and can be selected from the selection table below. The required fastening materials have to be determined either using the Configurator for generating offers/orders, or using the relevant building instructions.

Selection table for sensor lengths

Main busbar - top

Section Type	Description 1	Description 2	Section depth / Section width	800 300	800 425	800 600	800 800	800 1000
XP	ACB (IZMX16,IZMX40)	Single	-	10	12	13	-	
XP	ACB (IZMX16,IZMX40)	Coupling	-	2x10	2x10	2x10	-	
XP	ACB (IZMX16,IZMX40)	Stacked	-	12	12	13	13	
XP	ACB (IZMX16,IZMX40)	4-fold stacked	-	-	-	15	15	
XP	ACB (IZMX16,IZMX40)	Side by Side	-	-	-	13	15	
XP	MCCB (NZM4)	Single	-	10	12	13		
XP	MCCB (NZM4)	Side by Side	-	-	12	13	13	
XP	MCCB (NZM4)	Stacked	-	10	12	-	-	
XF	Fixed Section		-	-	11	12	13	
XW	Withdrawable Section		-	-	11	12	13	
XG	General Fittings		-	10	10	10	10	
XG	Transition Section		10	10	-	-	-	
XG	Corner Section		-	-	-	10	-	

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Technical Data

Characteristics

Electronic evaluation unit (Master) ARC-EM/2.0			
General information			
Ambient temperature min./max.		°C	–10/+55
Storage temperature		°C	–40/+70
Rated peak withstand voltage U_{imp}		kV	5
Overvoltage category/degree of pollution			III/3
Rated insulation voltage U_i	AC	V	300
Degree of protection			IP20
Voltage supply			
Rated operating voltage U_e	AC/DC	V	48 – 265
Rated frequency f		Hz	50/60
Power consumption		W	< 7 (permanent operation)
			< 10 (relay outputs active)
Connectable electronic evaluation unit (Slave)			max. 16
Input set of 3-phase current sensors			1
Input signal (can be changed)		A	1/5
Rated permanent current I_U			4 x I_N
Rated short-time withstand current I_{cw}		1s	60 x I_N
Outputs 7 relays, potential-free	AC/DC	A	5
	AC/DC	V	250
			TRIP 1/2 for Tripping Group 1: 2x NO
			TRIP 3/4 for Tripping Group 2: 2x NO
			Alarm contact A1 for Zone 1-4: 1x NO
			Contact for self-monitoring SF1 1x NO
			Contact for self-monitoring SF2 1x NO
Electronic evaluation unit (Slave) ARC-EL3/2.0			
Voltage supply (from ARC-EM/2.0)			24 V DC
Ambient temperature		°C	–10/+55
Storage temperature		°C	–40/+70
Inputs - optical			3 ARC-SLxx/BL; 1 ARC-SM
Output			1
Release contact of circuit breaker (TRIP) – Normally open contact (NO)			250 V AC/DC 5 A
			TRIP for Zone 1-4: 1x Normally open contact (NO)
Electronic evaluation unit (Slave) ARC-EC1/2.0			
Voltage supply (from ARC-EM/2.0)			24 V DC
Ambient temperature		°C	–10/+55
Storage temperature		°C	–40/+70
Input 3-phase			1
Input signal (can be changed)		A	1/5
Rated permanent current I_U			4 x I_N
Rated short-time withstand current Icw		1s	60 x I_N
Output			1
Tripping contact circuit breaker (TRIP) – Normally Open			250 V AC/DC 5 A
			TRIP for Zone 1-4: 1x NO
Light sensor ARC-SLxx/BL, line-shaped			
General information			
Ambient temperature max. (connector-side)		°C	–10/+55
Ambient temperature max. (active area of the sensor, blue part)		°C	–10/+125
Storage temperature		°C	–20/+65
Minimum bending radius		mm	30
Tensile load max. (during installation)		N	10
Total length		m	max. 25

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Technical Data

Characteristics

Quenching device ARC-AT			
General information			
Ambient temperature max.		°C	–10/+75
Storage temperature		°C	–20/+65
Rated peak withstand voltage U_{imp}		kV	8
Rated operating voltage U_e	AC	V	690
Rated frequency f_n		Hz	50/60
Overvoltage category/degree of pollution			III/3
Rated insulation voltage U_i acc. to IEC 1131 T. 2	AC	V	1000
Degree of protection of the system			IP00
Vibration test acc. to IEC 721-3-3			
Shock test acc. to IEC 68-2-27			
Breaking capacity			
Rated short-time withstand current I_{cw}		kAeff	85 / 1 s
		kAeff	105 / 0.5 s
		kAeff	150 / 0.2 s

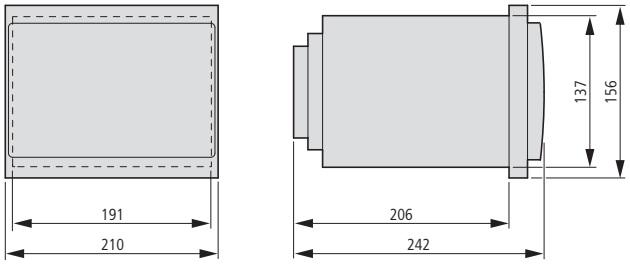
Weight

Type	Weight kg
Electronic evaluation unit (Master)	
ARC-EM/2.0	2.5
Electronic evaluation unit (Slave)	
ARC-EL3/2.0	0.75
Electronic evaluation unit (Slave)	
ARC-EC1/2.0	0.75
Light sensor, line-shaped	
ARC-SLxx/BL	0.15 - 0.30
Mobile light sensor	
ARC-SM	0.1
Connection cable	
ARC-CCxx	0.2
ARC-CCAT	1.0
Quenching device	
ARC-AT	15
Fitting kit for quenching device	
XMI...-ARC	7 - 20

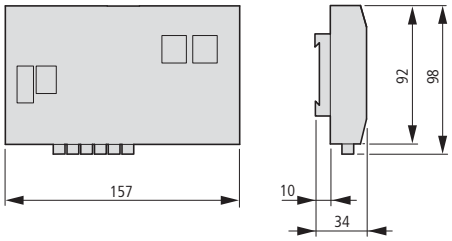
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Dimensions

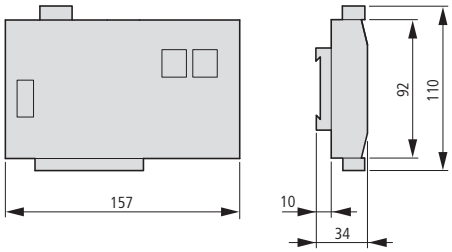
Electronic evaluation unit (Master) ARC-EM/2.0



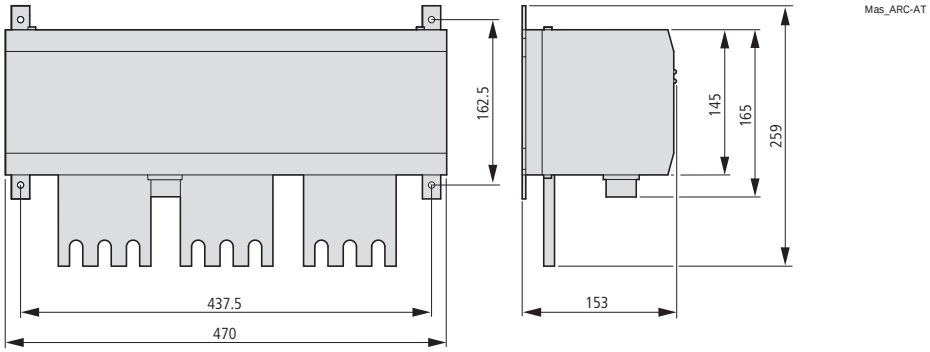
Electronic evaluation unit (Slave) ARC-EL3/2.0



Electronic evaluation unit (Slave) ARC-EC1/2.0



Quenching device ARC-AT



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