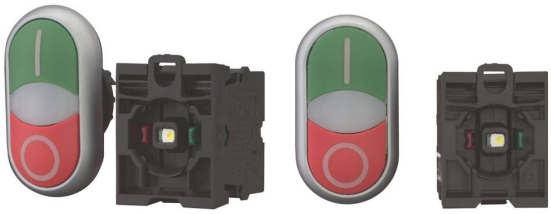
Specifications



Eaton 216509

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 double actuator pushbutton
CATALOG NUMBER	216509
MODEL CODE	M22-DDL-GR-X1/X0/K11/230-W
EAN	4015082165093
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	55 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.015 kg
CERTIFICATIONS	CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL File No.: E29184 UL CSA CSA File No.: 012528 IEC/EN 60947 CE UL 508 UL Category Control No.: NKCR VDE 0660 DNV GL LR
GLOBAL CATALOG	216509
PRODUCT TYPE	Double actuator pushbutton

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Product specifications

TYPE	Double actuator
ACTUATOR COLOR	Green, red
FEATURES	Transparent
ACTUATOR FUNCTION	Spring-return Momentary
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Please enquire
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.

Resources

CATALOGS	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-eu250858en.pdf eaton-pushbutton-declaration-of-conformity-uk251341en.pdf eaton-pushbutton-declaration-of-conformity-uk251340en.pdf eaton-pushbutton-declaration-of-conformity-eu250857en.pdf
DRAWINGS	eaton-operating-actuation-m22-dimensions.eps eaton-operating-pushbutton-m22-double-actuator-pushbutton-dimensions.eps eaton-operating-button-m22-double-actuator-pushbutton-symbol-010.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-symbol.eps eaton-general-m22-standards.eps
ECAD MODEL	DA-CE-ETN.M22-DDL-GR-X1_X0_K11_230-W
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	DA-CS-bg_dd_1led1 DA-CD-bg_dd_1led1
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 216509

10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
ELECTRIC CONNECTION TYPE	Screw connection
FITTED WITH:	Front ring LED element
OPERATING FREQUENCY	1800 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CONNECTION TO SMARTWIRE-DT	No
BEZEL COLOR	Chrome
ACTUATING FORCE	5 N
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	15 N
HEAT DISSIPATION	0 W

WIRING DIAGRAMS	eaton-operating-diagram-m22-double-actuator-pushbutton-wiring-diagram.eps

CAPACITY PDISS	
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
KNOB TRAVEL	5.7 mm
LAMP VOLTAGE - MAX	230 V
NUMBER OF COMMAND POSITIONS	2
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
BEZEL MATERIAL	Plastic
DESIGN	Non-Flush Classical
MOUNTING POSITION	As required
LIGHT COLOR	White
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	NEMA 4X, 13 IP66
INSCRIPTION	Inscribed
FRONT ELEMENT TYPE	Flat
LENS TYPE	Round
SHOCK RESISTANCE	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
OPENING DIAMETER	22.5 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1 W
PRODUCT CATEGORY	RMQ-Titan

SIZE	Front dimensions: 29,7 x 54,7 mm
SUITABLE FOR	Illumination

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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