

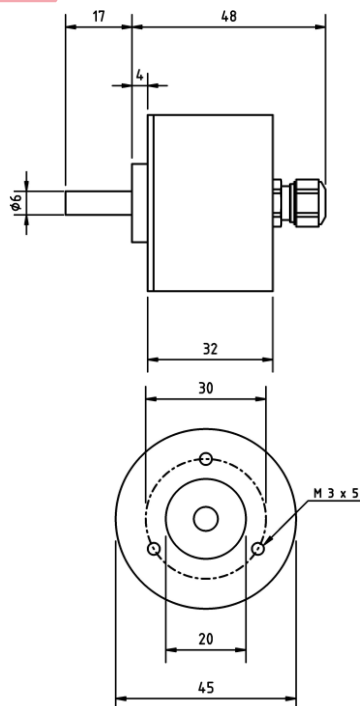
Optical rotary encoders

15-32 standard type
15-33 with index pulse

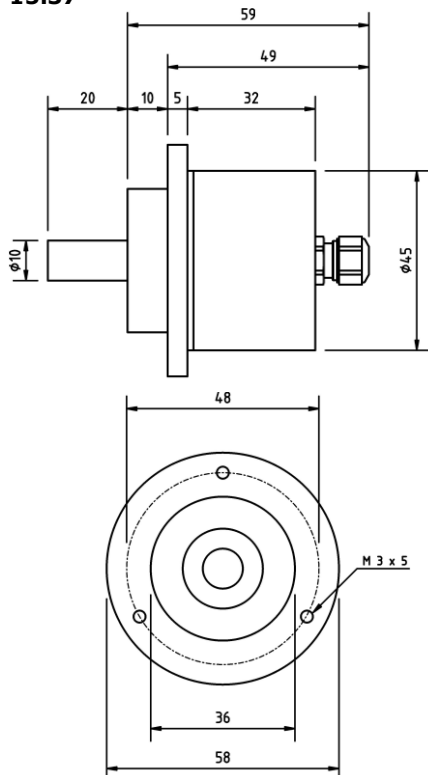


Dimension

15.32



15.37



15-37 standard type
15-38 with index pulse



Electrical data

Power supply voltage:	10 - 30 VDC
Current consumption:	max. 30 mA
Output signals:	A, B push – pull, optional index pulse Z
Output level:	HTL
Output current / channel:	max. 15 mA
Output frequency:	max. 10 kHz
Encoder resolution:	max. 500 pulses / revolution

Mechanical data

	15-32	15-37
Housing diameter:	45 mm	45 mm
Flange diameter:	45 mm	58 mm
Shaft diameter:	6 mm	10 mm
Bearing:	double ball bearing	double ball bearing
Weight without cable:	ca. 144 g	ca. 225 g
Cable weight:	ca. 20 g/m	ca. 20 g/m
Shaft load:	radial and axial 20 Nm	radial and axial 30 Nm
Torque:	0,01 Nm	0,01 Nm
Max. revolution:	6000 rpm	6000 rpm
Cable output:	1,5 m fix mounted cable (other lengths on request)	1,5 m fix mounted cable (other lengths on request)

Environmental conditions

Operation temperature:	- 10 ... + 50° C	- 10 ... + 50° C
Storage temperature:	- 20 ... + 60° C	- 20 ... + 60° C
Humidity:	max. 95%, non-condensing	
Protection class:	IP54	IP63

Accessories

Metal spring	19.6100 6/6 mm	19.6200 10/10 mm
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Order code

15-AA-BBBB-CC.C-D

- A** Version:
32 = standard type
33 = with index pulse
37 = standard type
38 = with index pulse
- B** Pulses per revolution:
0100 = 100 ppr
- C** Cable length:
01,5 = standard cable length 1,5 m
- D** Options:
B = Miniature round connector with cable 1,5 m
N = supply / output voltage 5V
S = flattened shaft

Connections

Pin 1	0 V (GND)	white
Pin 2	10-30 VDC	brown
Pin 3	channel A	green
Pin 4	channel B	yellow
Pin 5	channel Z	grey