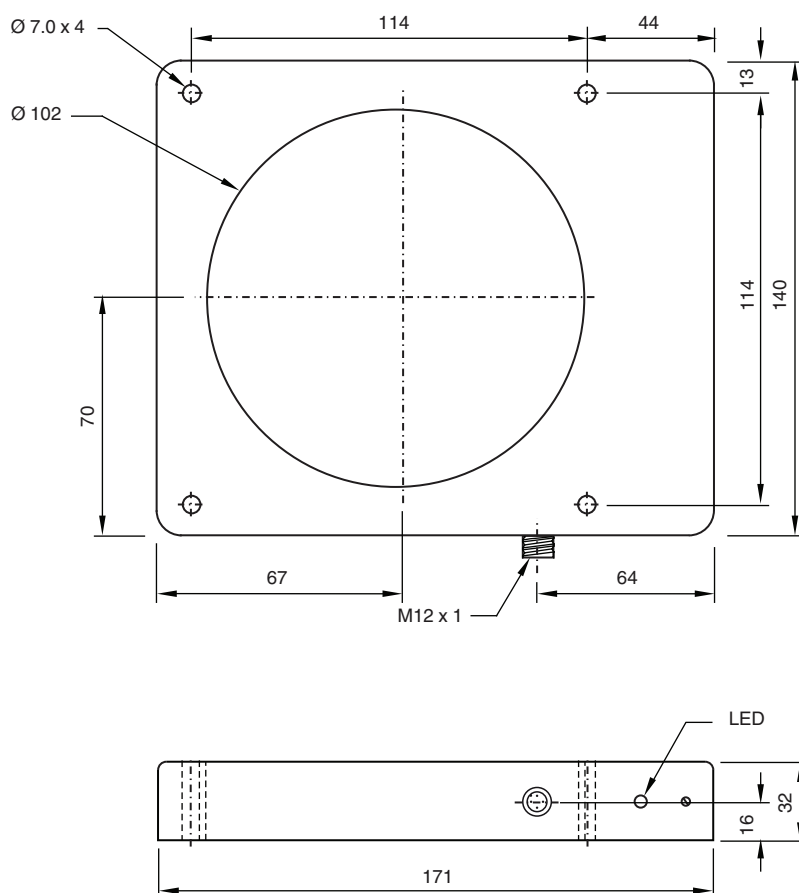


Inductive ring sensor RJ100-E20-V1

- Ring diameter 100 mm
- 3-wire DC

Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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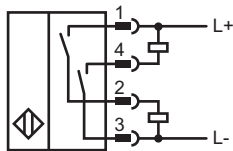
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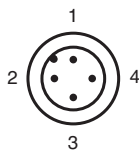
Technical Data

Output type		PNP/NPN
Installation		non-flush
Output polarity		DC
Measuring cylinder		
Diameter		15 mm
Length		15 mm
Ring diameter		102 mm
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 20 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		no
Voltage drop	U_d	< 1 V
Operating current	I_L	12 mA
Off-state current	I_r	2 μ A
Switching state indicator		LED, red
Indicators/operating means		
Potentiometer		sensitivity adjustment , 15 turns
Output		
Load current		100 mA (NPN) 50 mA (PNP)
Ambient conditions		
Ambient temperature		-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications		
Connection type		4-pin micro connector (M12 x 1)
Housing material		ABS
Degree of protection		IP65

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	V1-G-2M-PVC	Female cordset, M12, 4-pin, PVC cable
	V1-G-5M-PVC	Female cordset, M12, 4-pin, PVC cable

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