

Inductive ring sensor

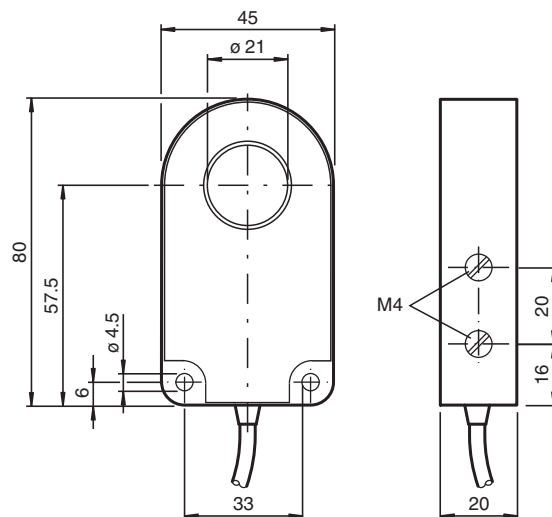
RJ21-E2-0,1M-V1



- 21 mm inside diameter
- Comfort series



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	PNP	
Output polarity	DC	
Inside diameter	21 mm	
Measuring cylinder		
Diameter	6 mm	
Length	12 mm	
Output type	3-wire	

Nominal ratings

Nominal voltage	U _o	8 V
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 1000 Hz
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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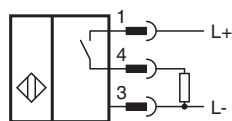
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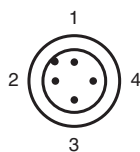
Technical Data

Voltage drop	U_d	$\leq 3\text{ V}$
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	$\leq 20\text{ mA}$
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Cable connector M12 x 1 , 4-pin , PVC Cable, 100 mm
Core cross section		0.34 mm ²
Housing material		PBT
Degree of protection		IP67
Dimensions		
Height		80 mm
Width		45 mm
Length		20 mm

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

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