

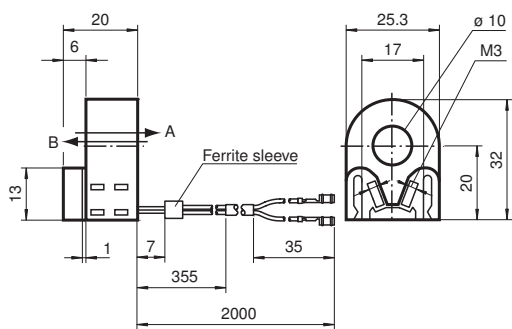
Inductive ring sensor

RC10-14-N3-Y187455

- 10 mm inside diameter
- Comfort series



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR, bistable
Inside diameter		10 mm
Measuring cone		4 mm, 1.4401
Passage speed	v	≤ 10 m/s
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8 V
Operating voltage	U _B	5 ... 25 V
Hysteresis	H	typ. 1 %
Reverse polarity protection		reverse polarity protected
Current consumption		
Passage B U _B =8V		≥ 3 mA
Passage B U _B =10V		≥ 4.2 mA
Passage A U _B =10V		0.5 ... 1 mA typ. 0.9 mA
Passage A U _B =8V		0.5 ... 0.95 mA typ. 0.8 mA
Power ON		≥ 3 mA with U _B = 8 V ≥ 4.2 mA at U _B = 10
Time delay before availability	t _v	≤ 5 ms

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

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Technical Data

Functional safety related parameters

MTTF _d	2130 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Compliance with standards and directives

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

Ambient conditions

Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Storage temperature	-40 ... 100 °C (-40 ... 212 °F)

Mechanical specifications

Connection type	cable PVC , 2 m Crimp terminal sockets 60888-3, AMP
Core cross-section	0.14 mm ²
Housing material	PBT
Degree of protection	IP67
Cable	
Bending radius	> 10 x cable diameter
Mass	36 g

General information

Use in the hazardous area	see instruction manuals
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Connection

