

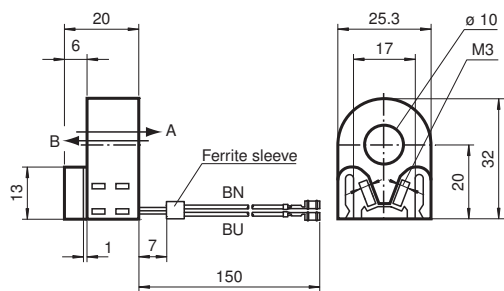
Inductive ring sensor

RC10-14-N3-Y187454

- 10 mm inside diameter
- Comfort series
- Bistable
- Direction detection



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

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

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Technical Data

Power ON		$\geq 3 \text{ mA}$ with $U_B = 8 \text{ V}$ $\geq 4.2 \text{ mA}$ at $U_B = 10$
Time delay before availability	t_v	$\leq 5 \text{ ms}$
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 , 150 mm Crimp terminal sockets 60888-3, AMP
Core cross-section		0.14 mm ²
Housing material		PBT
Degree of protection		IP67
Mass		20 g
General information		
Use in the hazardous area		see instruction manuals

Connection

