

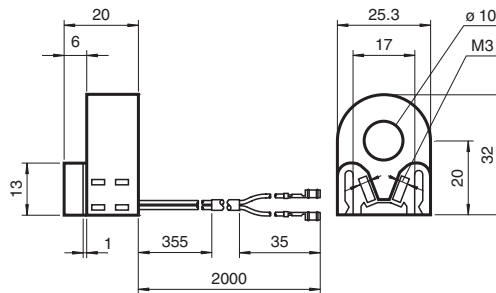
Inductive ring sensor

RC10-14-N0-Y187456

- 10 mm inside diameter
- Comfort series



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Inside diameter		10 mm
Measuring cone		4 mm, 1.4305 / AISI 303
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Current consumption		
Measuring plate not detected		min. 3 mA at maximum permissible ambient temperature, the current consumption can drop to 1.6 mA
Measuring plate detected		≤ 1 mA at nominal voltage
Functional safety related parameters		
MTTF _d		6150 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 IEC 60947-5-2
Approvals and certificates		
ATEX approval		
Equipment protection level Gb		PTB 99 ATEX 2128 X
UL approval		cULus Listed, General Purpose
Ambient conditions		

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

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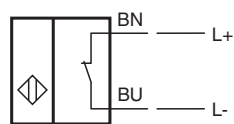
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PEPPERL+FUCHS

Technical Data

Ambient temperature	-20 ... 65 °C (-4 ... 149 °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 mm²
Housing material	PBT
Degree of protection	IP67
Cable	
Bending radius	> 10 x cable diameter
Mass	36 g
Dimensions	
Height	32.5 mm
Width	25 mm
Length	20 mm
General information	
Use in the hazardous area	see instruction manuals

Connection



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