

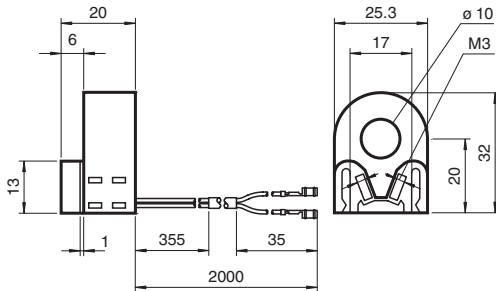
Inductive ring sensor

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 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates	
ATEX approval	
Equipment protection level Gb	PTB 99 ATEX 2128 X
UL approval	cULus Listed, General Purpose

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

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PEPPERL+FUCHS

Technical Data

CSA approval	cCSAus Listed, General Purpose
Ambient conditions	
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 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

Connection

