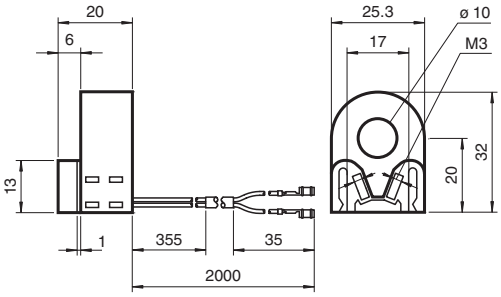
Inductive ring sensor
RC10-14-N0-Y187456

- 10 mm inside diameter

Dimensions



Technical Data

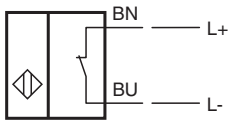
General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Inside diameter		10 mm
Measuring cone		4 mm, 1.4305 / AISI 303
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 1 kΩ)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Current 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
Safety-relevant product characteristics		
$MTTF_d$		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 Load Type: Resistive Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC

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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 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 Assignment



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