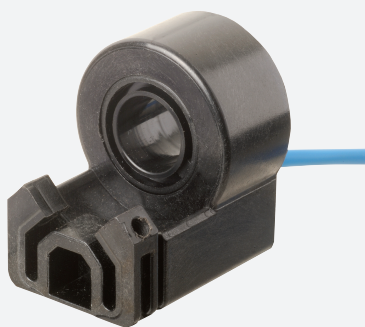




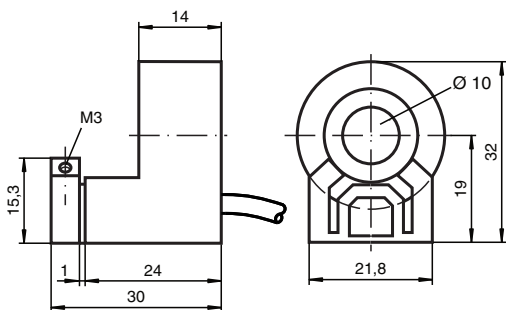
Inductive ring sensor

RC10-14-N3-Y115614

- 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 cylinder			
Diameter		1/8" (3.175mm)	
Measuring cone		Carboloy	
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	

Technical Data

Current consumption		
Traverse B		3 mA
Passage B $U_B=8V$		≥ 3 mA
Passage B $U_B=10V$		≥ 4.2 mA
Traverse A		1 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
Time delay before availability	t_v	≤ 5 ms
Functional safety related parameters		
MTTF _d		2140 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		0 ... 40 °C (32 ... 104 °F)
Mechanical specifications		
Connection type		cablE PVC , 5 m
Core cross-section		0.14 mm ²
Housing material		PBT
Degree of protection		IP67
General information		
Use in the hazardous area		see instruction manuals

Connection

