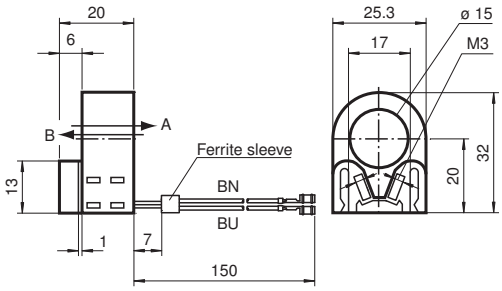
Inductive ring sensor
RC15-14-N3-Y187457

- 15 mm inside diameter
- Comfort series

Dimensions



Technical Data

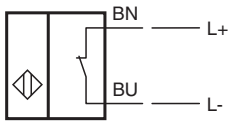
General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR, bistable
Inside diameter		15 mm
Measuring cone		6 mm, 1.4401
Passage speed	v	≤ 10 m/s
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8 V
Operating voltage	U_B	5 ... 25 V
Hysteresis	H	typ. 1 %
Reverse polarity 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
Power ON		≥ 3 mA with U_B = 8 V ≥ 4.2 mA at U_B = 10
Time delay before availability	t_v	≤ 5 ms

Release date: 2020-05-04 Date of issue: 2020-05-05 Filename: 187457_eng.pdf

Technical Data

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 ... 75 °C (-13 ... 167 °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



Release date: 2020-05-04 Date of issue: 2020-05-05 Filename: 187457_eng.pdf