

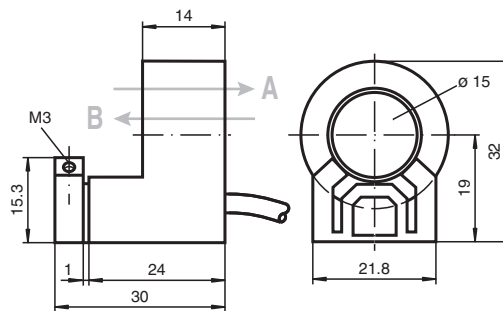
Inductive ring sensor

RC15-14-N3-Y49839

- 15 mm inside diameter
- Comfort series
- Bistable
- Direction detection



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)
Output type	NAMUR, bistable
Inside diameter	15 mm
Measuring cylinder	
Diameter	1/4" (6.250mm)
Measuring cone	Carboloy
Output type	2-wire

Nominal ratings

Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Hysteresis	H	typ. 1 %
Reverse polarity protection		reverse polarity protected
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	2240 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Compliance with standards and directives

Standard conformity

Release date: 2024-05-28 Date of issue: 2024-06-02 Filename: 106549_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

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		
Ambient temperature		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		PBT
Degree of protection		IP67
Cable		
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.14 mm²
Length	L	2 m
Dimensions		
Height		32 mm
Width		26 mm
Length		30 mm
General information		
Use in the hazardous area		see instruction manuals

Connection

