

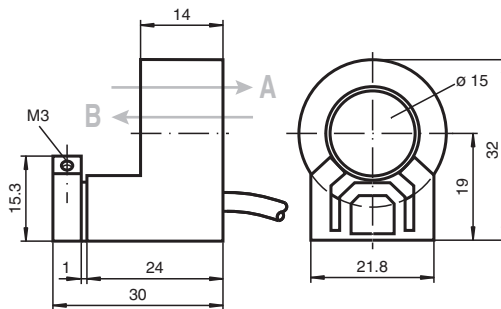
Inductive ring sensor

RC15-14-N3-Y115615

- 15 mm inside diameter
- 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)
Operating voltage	U_B	5 ... 25 V
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	
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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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 Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
Ambient conditions		
Ambient temperature		0 ... 40 °C (32 ... 104 °F)
Mechanical specifications		
Connection type		cable
Housing material		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		2.6 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		blue
Number of cores		2
Core cross section		0.14 mm ²
Length	L	5 m
Dimensions		
Height		32 mm
Width		26 mm
Length		30 mm
General information		
Use in the hazardous area		see instruction manuals

Connection Assignment

