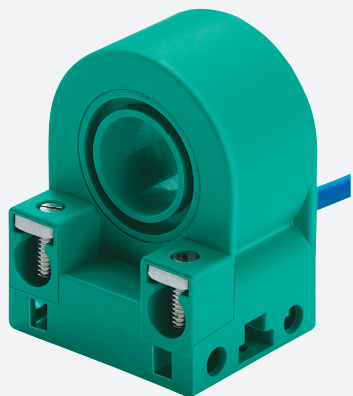


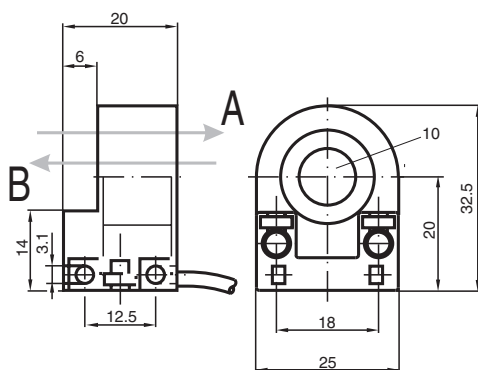


Inductive ring sensor RC10-14-N3

- 10 mm inside diameter
- Bistable
- Direction detection



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)
Output type	NAMUR, bistable
Inside diameter	10 mm
Measuring cylinder	
Diameter	2.5 mm
Length	3 mm
Measuring cone	
Material	9S20K
Output type	2-wire

Nominal ratings

Nominal voltage	U _o	8.2 V (R _i approx. 1 kΩ)
Hysteresis	H	typ. 1 %
Reverse polarity protection		reverse polarity protected
Current consumption		
Traverse B		3 mA
Traverse A		1 mA
Time delay before availability	t _v	≤ 5 ms

Safety-relevant product characteristics

Release date: 2026-04-13 Date of issue: 2026-04-13 Filename: 051666_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

MTTF _d		2144 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
FM approval		
Control drawing		116-0165
UL approval		cULus Listed Load Type: Resistive Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
Ambient conditions		
Ambient temperature		-20 ... 100 °C (-4 ... 212 °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	2 m
Dimensions		
Height		32.5 mm
Width		25 mm
Length		20 mm
General information		
Use in the hazardous area		see instruction manuals

Connection Assignment

