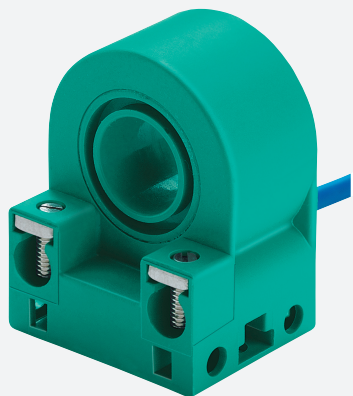


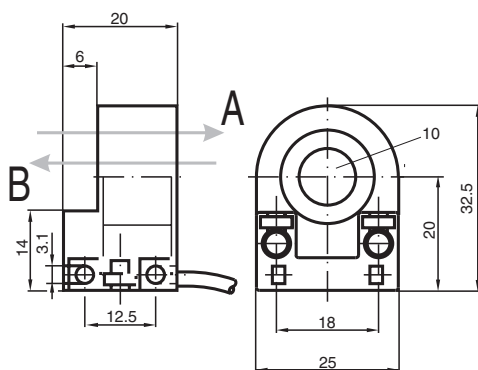


Inductive ring sensor RC10-14-N3

- 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

Functional safety related parameters

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

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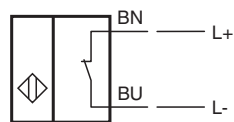
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PEPPERL+FUCHS

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, General Purpose
Ambient conditions	
Ambient temperature	-20 ... 100 °C (-4 ... 212 °F)
Mechanical specifications	
Connection type	cablc PVC , 2 m
Core cross section	0.14 mm ²
Housing material	PBT
Degree of protection	IP67
Cable	
Bending radius	> 10 x cable diameter
Dimensions	
Height	32.5 mm
Width	25 mm
Length	20 mm
General information	
Use in the hazardous area	see instruction manuals

Connection



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