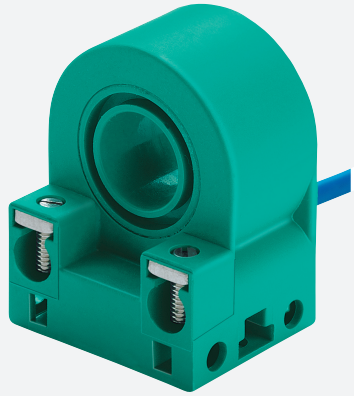
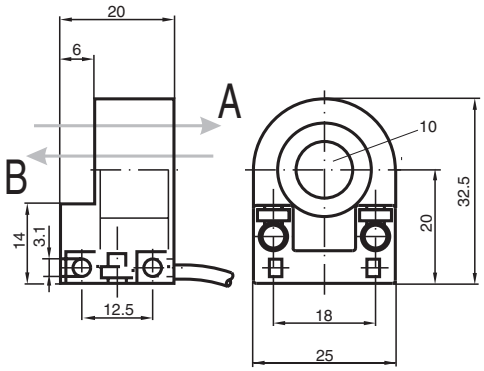


Inductive ring sensor

RC10-14-N3-Y95216

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

Dimensions



Technical Data

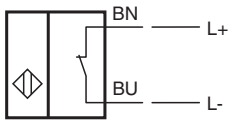
General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR, bistable
Installation		non-flush
Inside diameter		10 mm
Measuring cylinder		
Diameter		1/8" (3.175mm)
Measuring cone		Carboloy/high grade steel
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 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
Compliance with standards and directives		
Standard conformity		

Release date: 2025-07-14 Date of issue: 2025-07-14 Filename: 106545_eng.pdf

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		
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.14 mm²
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



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