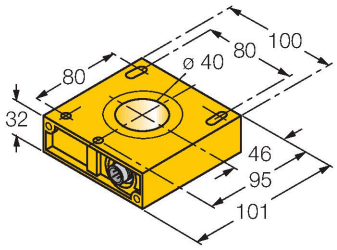
NI40R-
Inductive Sensor – Ring Probe

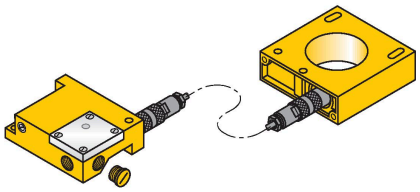


Features

- Rectangular, height 32 mm
- Plastic, ABS
- Modular mounting with the S32SR-AP44X-S1131 or S32SR-VP44X switching amplifier

Functional principle

Inductive sensors detect metal objects contactless and wear-free. For this purpose they use a high-frequency electromagnetic AC field that interacts with the target. Inductive ring sensors generate this field through an LC resonant circuit. The target acts as the coil core.

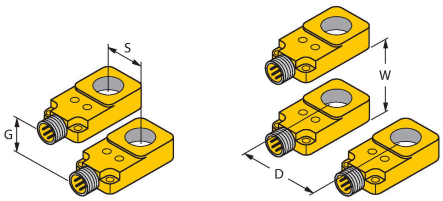


Technical data

Type	NI40R-
ID	1430101
General data	
Inside ring diameter D	40 mm
Steel wire diameter (St37)	≥ 1 mm
pulse stop	≥ 5 ms
Pulse duration at the ouput	≥ 100 ms ± 20 %
Electrical data	
Operating voltage U_B	10…55 VDC
Mechanical data	
Design	Ring probe, S32
Dimensions	95 x 100 x 32 mm
Housing material	Plastic, ABS
Coil body	plastic, ABS
Environmental conditions	
Ambient temperature	-25…+70 °C
Protection class	IP65

Mounting instructions

Mounting instructions/Description	
Distance D	150 mm
Distance W	150 mm
Distance S	150 mm
Distance G	150 mm



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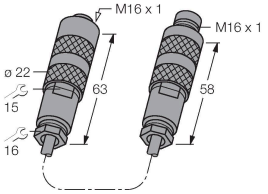
Accessories

ADAPTER CABLE RING 1.6M	14306



Adapter cable enables separate mounting of ring probe and switching amplifier; coax cable: RG58 C/U 50 Ohm

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