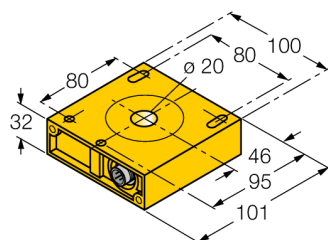


Inductive sensor ring probe NI20R-

TURCK

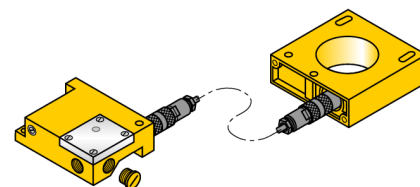
Industrial
Automation



- Rectangular, height 32 mm
- Plastic, ABS
- Modular design, mountable with 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.



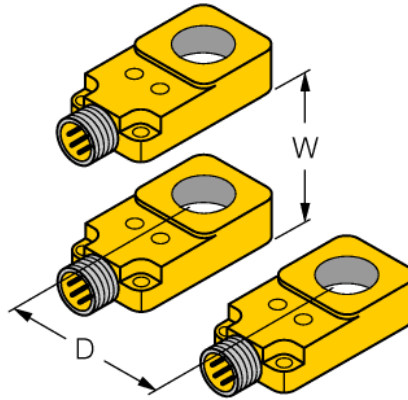
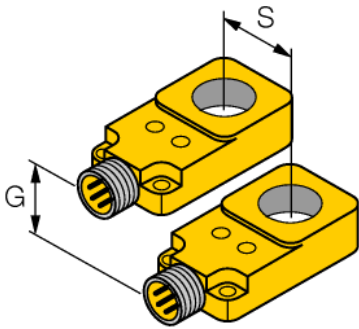
Type code	NI20R-
Ident no.	1410001
Inside ring diameter D	20 mm
Steel wire diameter (St37)	≥ 0.4 mm
pulse stop	≥ 5 ms
Pulse duration at the output	100 ms ± 20 %
Ambient temperature	-25...+70 °C
Design	ring probe, S32SR
Dimensions	95x 100x 32 mm
Housing material	Plastic, ABS
Coil body	plastic, ABS
Protection class	IP65

Inductive sensor ring probe NI20R-

TURCK

Industrial
Automation

Distance D	150 mm
Distance W	150 mm
Distance S	150 mm
Distance G	150 mm



Inductive sensor
ring probe
NI20R-



Accessories

Type code	Ident no.	Description	Dimension drawing
ADAPTERKABEL ZUM RING 1,60M	14306	The adapter cable enables separate mounting of ring probe and switching amplifier; coax cable: RG58 C/U 50 Ohm	