

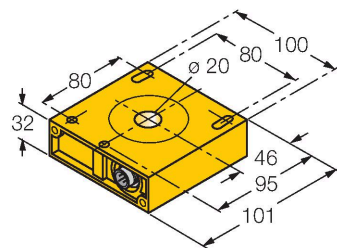
## NI20R- Inductive Sensor – Ring Probe

### Features

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

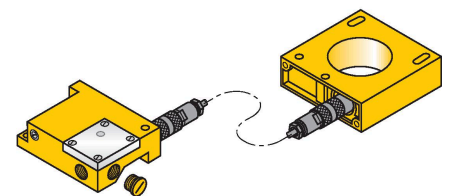
### Functional principle

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.



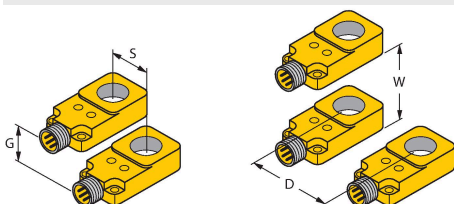
### Technical data

|                              |                  |
|------------------------------|------------------|
| Type                         | 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, S32  |
| Dimensions                   | 95 x 100 x 32 mm |
| Housing material             | Plastic, ABS     |
| Coil body                    | plastic, ABS     |
| Protection class             | IP65             |



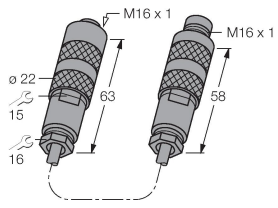
### Mounting instructions

#### Mounting instructions/Description



|            |        |
|------------|--------|
| Distance D | 150 mm |
| Distance W | 150 mm |
| Distance S | 150 mm |
| Distance G | 150 mm |

## 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