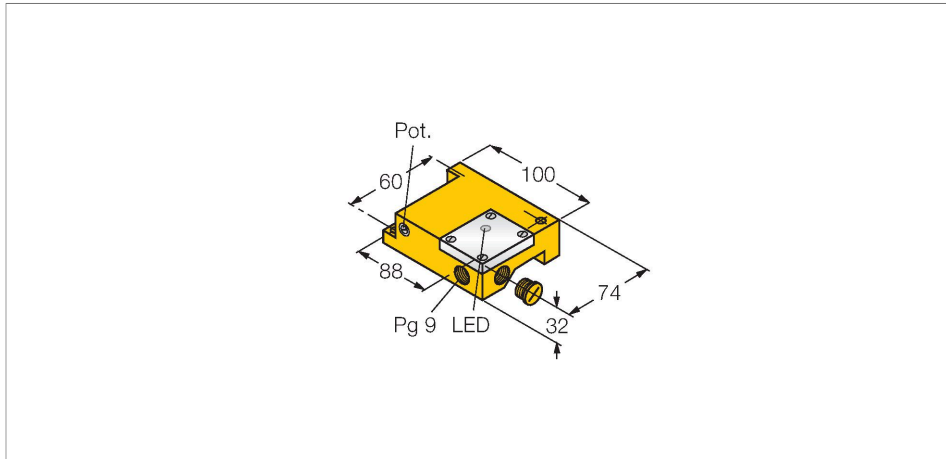


# S32SR-VP44X

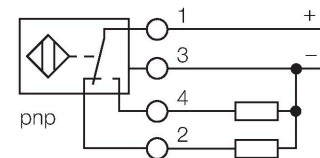
## Inductive Sensor – Amplifier for Ring Probe



### Features

- Rectangular, height 32 mm
- Plastic, ABS
- Static output behaviour
- Sensitivity adjusted via potentiometer
- Modular design, mountable with different ring probes Ø 10, 20, 40 and 65 mm
- Output pulse length min. 100 ms
- DC 4-wire, 10...55 VDC
- Changeover contact, PNP output
- Terminal chamber

### Wiring diagram

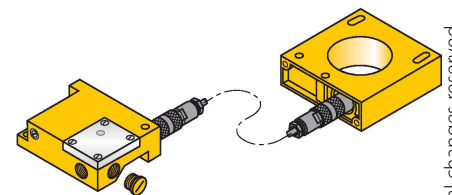


### Technical data

Type	S32SR-VP44X
Ident. no.	1440010
Repeat accuracy	≤ 2 % of full scale
pulse stop	≥ 5 ms
Pulse duration at the output	≥ 100 ms ± 20 %
Ambient temperature	-25...+70 °C
Operating voltage	10...55 VDC
Residual ripple	≤ 10 % U <sub>ss</sub>
DC rated operational current	≤ 200 mA
No-load current	≤ 20 mA
Residual current	≤ 0.1 mA
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	yes / Cyclic
Voltage drop at I <sub>e</sub>	≤ 1.8 V
Wire breakage/Reverse polarity protection	yes / Complete
Output function	4-wire, Complementary contact, PNP
Switching frequency	0.008 kHz
<b>Design</b>	<b>Ring amplifier, S32</b>
Dimensions	74 x 100 x 32 mm
Housing material	Plastic, ABS
Electrical connection	Terminal chamber
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP65

### 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.



S32SR-VP44X | 05/27/2020 11-07 | technical changes reserved

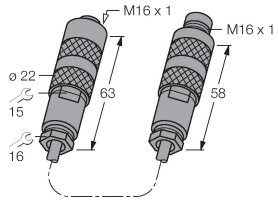
## Technical data

Switching state	LED, Yellow
Included in delivery	cable gland, blanking plug

## 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