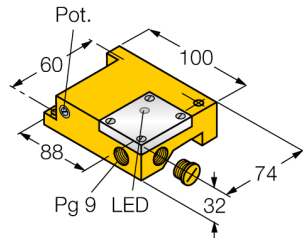
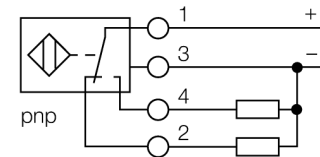


# Inductive sensor Amplifier for ring probe S32SR-VP44X



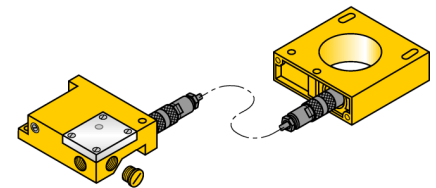
- Rectangular, height 32 mm
- Plastic, ABS
- Static output behaviour
- Sensitivity adjusted via potentiometer
- Modular design, mountable with different ring probes Ø 10, 20, 40 and 65 mm
- Output pulse length min. 100 ms
- DC 4-wire, 10...55 VDC
- Changeover contact, PNP output
- Terminal chamber

### Wiring Diagram



### 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.



<b>Type designation</b>	S32SR-VP44X
Ident-No.	1440010
<b>Repeat accuracy</b>	≤ 2 % of full scale
pulse stop	≥ 5 ms
Pulse duration at the output	100 ms ± 20 %
Ambient temperature	-25...+70 °C
<b>Operating voltage</b>	10...55 VDC
Residual ripple	≤ 10 % U <sub>in</sub>
DC rated operational current	≤ 200 mA
No-load current I <sub>0</sub>	≤ 20 mA
Residual current	≤ 0.1 mA
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	yes/ Cyclic
Voltage drop at I <sub>0</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>	Ring amplifier,S32SR
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
<b>Switching state</b>	LED, Yellow
Included in delivery	cable gland, blanking plug

**Inductive sensor  
Amplifier for ring probe  
S32SR-VP44X**



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**Accessories**

Type code	Ident-No.	Description	
ADAPTER CABLE RING 1.6M	14306	The adapter cable enables separate mounting of ring probe and switching amplifier; coax cable: RG58 C/U 50 Ohm	