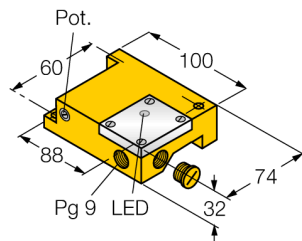
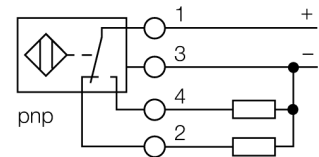


**Inductive sensor
amplifier for ring probe
S32SR-VP44X**



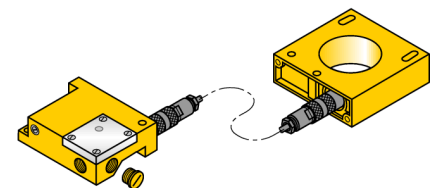
- Rectangular, height 32 mm
- Plastic, ABS
- Static output performance
- Sensitivity adjustable via potentiometer
- Modular design, mountable with different ring probes Ø 10, 20, 40 and 65 mm
- Output pulse length min. 100 ms
- DC 4-wire, 10...55 VDC
- Changeover contact, PNP output
- Terminal chamber

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.



Type code	S32SR-VP44X
Ident no.	1440010
Repeatability	≤ 2 % of full scale
pulse stop	≥ 5 ms
Pulse duration at the output	100 ms ± 20 %
Ambient temperature	-25...+70 °C
Operating voltage	10...55VDC
Residual ripple	≤ 10 % U _s
DC rated operational current	≤ 200 mA
No-load current I ₀	≤ 20 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes/ cyclic
Voltage drop at I ₀	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Output function	4-wire, changeover contact, PNP
Switching frequency	0.008 kHz
Design	ring amplifier, S32SR
Dimensions	74x 100x 32 mm
Housing material	Plastic, ABS
Connection	Terminal chamber
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP65
Switching state	● yellow
Included in scope of supply	cable gland, blanking plug

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

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	