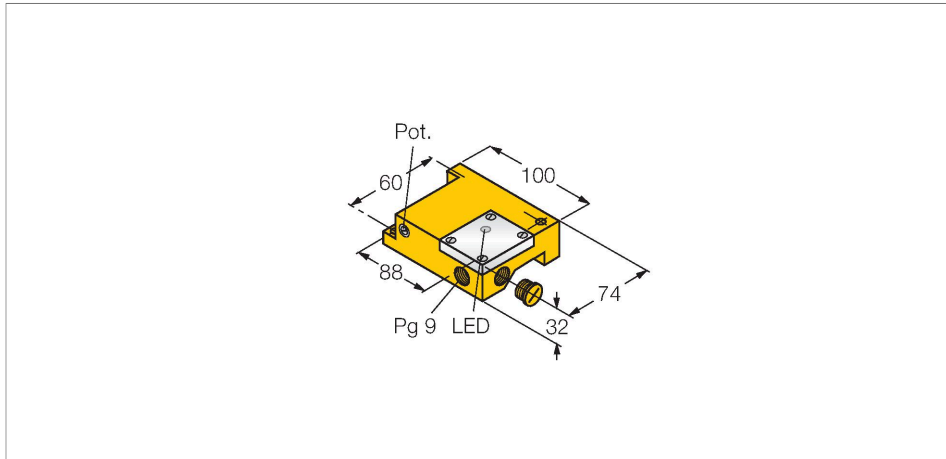


# S32SR-VP44X

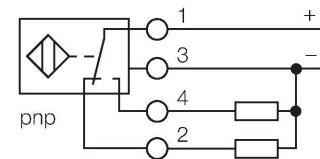
## Inductive Sensor – Amplifier for Ring Probe



### Features

- Rectangular, height 32 mm
- Plastic, ABS
- Static output behaviour
- Sensitivity adjusted via potentiometer
- Modular design, mountable with different ring probes  $\varnothing$  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

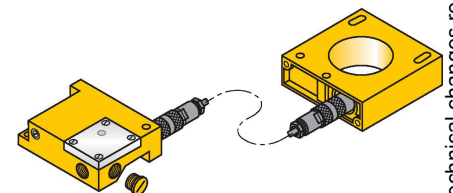


### Technical data

Type	S32SR-VP44X
ID	1440010
<b>General data</b>	
Repeat accuracy	$\leq 2\%$ of full scale
pulse stop	$\geq 5$ ms
Pulse duration at the output	$\geq 100$ ms $\pm 20\%$
<b>Electrical data</b>	
Operating voltage $U_b$	10...55 VDC
Ripple $U_{rs}$	$\leq 10\%$ $U_{bmax}$
DC rated operating current $I_o$	$\leq 200$ mA
No-load current	$\leq 20$ mA
Residual current	$\leq 0.1$ mA
Isolation test voltage	0.5 kV
Short-circuit protection	yes/Cyclic
Voltage drop at $I_o$	$\leq 1.8$ V
Wire break/reverse polarity protection	yes/Complete
Output function	4-wire, Complementary contact, PNP
Switching frequency	0.008 kHz
<b>Mechanical data</b>	
Design	Ring amplifier, S32
Dimensions	74 x 100 x 32 mm
Housing material	Plastic, ABS
Electrical connection	Terminal chamber

### 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.

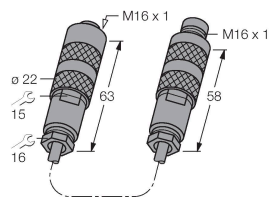


## Technical data

Environmental conditions	
Ambient temperature	-25...+70 °C
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP65
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