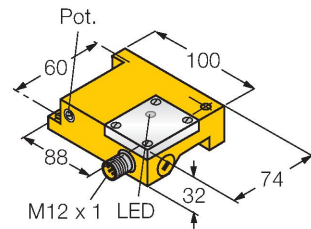


S32SR-VP44X-H1141

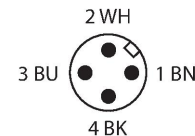
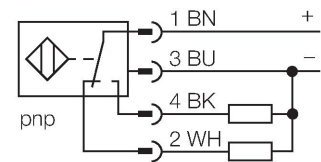
Inductive Sensor – Amplifier for Ring Probe



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
- M12 x 1 male connector

Wiring diagram

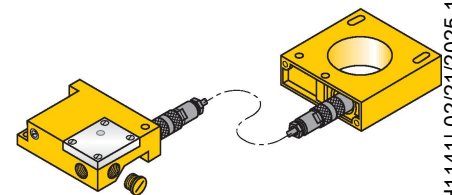


Technical data

Type	S32SR-VP44X-H1141
ID	1440014
General data	
pulse stop	≥ 5 ms
Pulse duration at the output	≥ 100 ms ± 20 %
Electrical data	
Operating voltage U_B	10...55 VDC
Ripple U_{as}	≤ 10 % U_{Bmax}
DC rated operating current I_o	≤ 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_o	≤ 1.8 V
Wire break/reverse polarity protection	yes/Complete
Output function	4-wire, Complementary contact, PNP
Switching frequency	0.008 kHz
Mechanical data	
Design	Ring amplifier, S32
Dimensions	74 x 100 x 32 mm
Housing material	Plastic, ABS
Electrical connection	Connector, M12 × 1
Environmental conditions	
Ambient temperature	-25...+70 °C

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

Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP65
Switching state	LED, Yellow

Accessories

