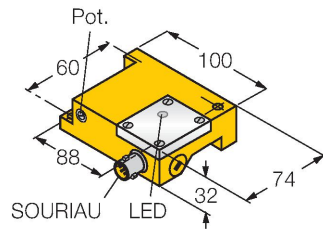


S32SR-AP44X-S1131

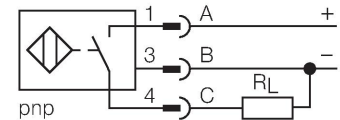
Inductive Sensor – Amplifier for Ring Probe



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 3-wire, 10...55 VDC
- NO contact, PNP output
- Connector, SOURIAU

Wiring diagram

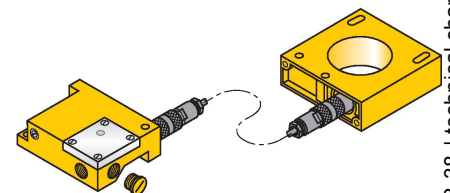


Technical data

Type	S32SR-AP44X-S1131
ID	1440000
General data	
Repeat accuracy	≤ 2 % of full scale
pulse stop	≥ 5 ms
Pulse duration at the output	≥ 100 ms ± 20 %
Hysteresis	3...15 %
Electrical data	
Operating voltage U_B	10...55 VDC
Ripple U_{ss}	≤ 10 % U_{Bmax}
DC rated operating current I_B	≤ 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_B	≤ 1.8 V
Wire break/reverse polarity protection	yes/Complete
Output function	3-wire, NO 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, SOURIAU

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.



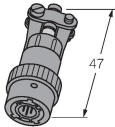
Technical data

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

Accessories

8 51 06EC 83AP50STECKVERBINDER	14304
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Souriau connector as counter-part for coupling at ring S1131



ADAPTER CABLE RING 1.6M	14306
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Adapter cable enables separate mounting of ring probe and switching amplifier; coax cable: RG58 C/U 50 Ohm

