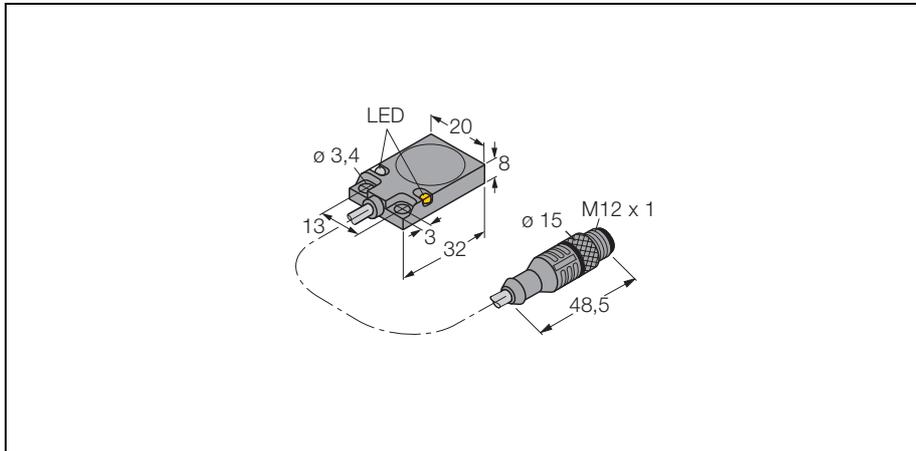


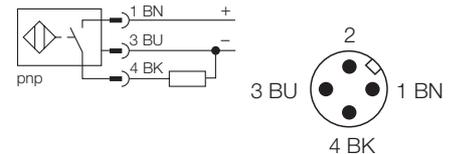
**Inductive sensor**

**Bi5U-Q08-AP6X2-0,6-RS4/S480-S481**



- rectangular, height 8 mm
- top active face
- metal, GD-Zn
- factor 1 for all metals
- magnetic field immune
- extended temperature range
- high switching frequency
- 3-wire DC, 10...30 VDC
- normally open pnp output
- connector, M12 x 1

**Wiring diagram**



**Function principles**

Inductive proximity switches are designed for wear-free non-contact detection of metal objects. Due to a ferrite-less 3-coil system, Uprox factor 1 sensor have distinct advantages. The detect all metals at the same switching distance, are magnetic field immune and feature large switching distances.

<b>Type</b>	Bi5U-Q08-AP6X2-0,6-RS4/S480-S481
Ident-No.	1608924
<b>Rated operating distance Sn</b>	5 mm
Mounting mode	flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	≤ 2 %
Temperature drift	≤ ± 10 %
Operating temperature	≤ ± 15 %, ≤ -25 °C v ≥ +70 °C -30 ...+ 85 °C
<b>Rated operational voltage (DC) U<sub>B</sub></b>	10... 30 VDC
Max. ripple	≤ 10 % U <sub>pp</sub>
Rated operational current (DC) I <sub>e</sub>	≤ 200 mA
No-load current I <sub>0</sub>	≤ 15 mA
Max. OFF-state current	≤ 0,1 mA
Max. switching frequency	≤ 0,25 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	3-wire, normally open, PNP
Short-circuit protection	yes, cyclic
Max. voltage drop at I <sub>e</sub>	≤ 1,8 V
Wire breakage / reverse polarity protection	yes / complete
Protection class	☐
<b>Housing style</b>	rectangular; Q08
Dimensions	32 x 20 x 8 mm
Housing material	metal, GD-Zn
Active face	plastic, PA12-GF30
Wiring	connector, M12 x 1
Cable	Ø 5,2, Lif9YH-11YH, PUR, 0,6 m
Cable cross section	3 x 0,34 mm <sup>2</sup>
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
<b>Supply voltage indication</b>	LED green
Switching status indication	LED yellow
Included with sensor	marking sleeve

**uprox®****Inductive sensor****Bi5U-Q08-AP6X2-0,6-RS4/S480-S481**

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<b>Mounting instructions</b>	minimum gap
Gap D	2 x B
Gap W	3 x Sn
Gap S	1 x B
Gap G	6 x Sn

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<b>Width of active face B</b>	20 mm
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