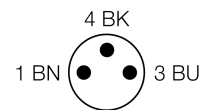
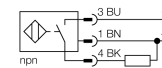


- Rectangular, height 8 mm
- Active face on top
- Metal, zinc die casting
- DC 3-wire, 10...30 VDC
- NO contact, NPN output
- Pigtail with male end M8 x 1

Wiring diagram



Type code	BI5U-Q08-AN6X2-0,7-PSG3M
Ident-No.	1608912
Rated switching distance Sn	5 mm
Mounting conditions	flush
Assured switching distance	≤ (0,81 x Sn) mm
Repeatability	≤ 2 % of full scale
Temperature drift	≤ ± 10 %
Hysteresis	≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
Ambient temperature	3...15 % -30...+85 °C
Operating voltage	10...30VDC
Residual ripple	≤ 10 % U _{ss}
DC rated operational current	≤ 200 mA
No-load current I ₀	≤ 15 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	3-wire, NO contact, NPN
Protective insulation	☐
Switching frequency	0.25 kHz
Construction	rectangular, Q08
Dimensions	32 x 20 x 8 mm
Housing material	metal, GD-Zn, nickel-plated
Material active area	plastic, PBT, yellow
Connection	Cable with male end, M8 x 1
Cable quality	3 mm, grey, Lif9Y-11Y, PUR, 0.7m Suited for E-ChainSystems® acc. to manufacturers declaration H1063M
Cable cross section	3 x 0.14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP Rating	IP67
MTTF	874 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED green
Switching state	LED yellow

Functional principle

Inductive sensors detect metal objects contactless and wear-free. *uprox®* Factor 1 sensors have significant advantages due to their patented ferrite-coreless multicoil system. They detect all metals at the same large switching distance and are resistant to magnetic fields.

**Inductive sensor
BI5U-Q08-AN6X2-0,7-PSG3M**

Distance D	40 mm
Distance W	15 mm
Distance G	30 mm

Width of the active face B	17 mm
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