

- Rectangular, height 8 mm
- Active face on top
- Metal, die-cast zinc
- Connector with snap lock
- Factor 1 for all metals
- Increased switching distance
- Protection class IP68
- Resistant to magnetic fields
- Mountable on metal
- DC 3-wire, 10...30 VDC
- NO contact, PNP output
- Flange connector, Ø 8 mm

Type designation BI8U-Q08-AP6X2-V1131
Ident-No. 1662005

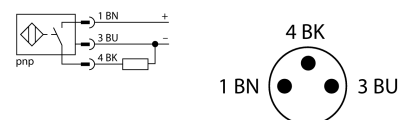
Rated switching distance S_n 8 mm
Mounting conditions Flush
Secured operating distance $\leq (0,81 \times S_n)$ mm
Repeat accuracy $\leq 2\%$ of full scale
Temperature drift $\leq \pm 10\%$
Hysteresis 3...15 %
Ambient temperature -25...+70 °C

Operating voltage 10...30 VDC
Residual ripple $\leq 10\%$ U_{ss}
DC rated operational current ≤ 200 mA
No-load current I_0 ≤ 15 mA
Residual current ≤ 0.1 mA
Isolation test 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, PNP
Switching frequency 0.25 kHz

Design Rectangular, Q08
Dimensions 32 x 20 x 8 mm
Housing material Metal, GD-Zn, Nickel-plated
Active area material Plastic, PP, yellow
Electrical connection Connector, Ø 8 mm
Vibration resistance 55 Hz (1 mm)
Shock resistance 30 g (11 ms)
Protection class IP68
MTTF 874 years acc. to SN 29500 (Ed. 99) 40 °C
Packaging unit 1

Power-on indication LED, Green
Switching state LED, Yellow

Wiring Diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. Due to the patented multi-coil system, uprox®+ sensors have distinct advantages over conventional sensors. They excel in largest switching distances, maximum flexibility and operational reliability as well as efficient standardization.

Distance D	40 mm
Distance W	24 mm
Distance G	48 mm
Width active area B	17 mm

