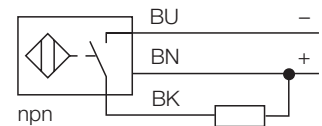


- rectangular, height 8 mm
- top active face
- metal, die-cast zinc
- factor 1 for all metals
- extended switching distance
- degree of protection IP68
- magnetic field immune
- directly mountable on metal
- 3-wire DC, 10...30 VDC
- normally open npn output
- cable connection

Wiring diagram



Functional principle

Inductive sensors are designed for wear-free and non-contact detection of metal objects. uprox+ sensors have considerable advantages due to their patented multi-coil system. They excel in highest switching distances, maximum flexibility and operational reliability as well as efficient standardisation.

Type	Bi8U-Q08-AN6X2
Ident-No.	1662007
Rated operating distance Sn	8 mm
Mounting condition	flush
Assured sensing range	≤ (0,81 x Sn) mm
Repeatability	≤ 2 %
Temperature drift	≤ ± 10 %
Hysteresis	3... 15 %
Ambient temperature	-25...+ 70 °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 _e	≤ 1.8V
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire, normally open, npn
Insulation class	□
Switching frequency	≤ 0.25 kHz
Housing	rectangular, Q08
Dimensions	32 x 20 x 8 mm
Housing material	metal, GD-Zn, nickel-plated
Material active face	plastic, PP, yellow
Connection	cable
Cable quality	Ø 4, LiY-11Y, PUR, 2 m
Cable cross section:	3 x 0.25mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP68
Operating voltage display	LED green
Display switch state	LED yellow

Mounting instructions

minimum distances

Distance D 40 mm

Distance W 24 mm

Distance G 48 mm

Width of the active face B

20 mm

