

- rectangular, height 8mm
- top active face
- metal, die-cast zinc
- connector with snap-on connection
- 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, pnp output
- flange connector, Ø 8 mm

Type	Bi8U-Q08-AP6X2-V1131
Ident-No.	1662005

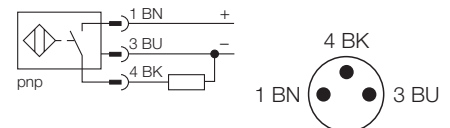
Rated operating distance S_n	8 mm
Mounting condition	flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Repeatability	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
Hysteresis	3... 15 %
Ambient temperature	-25... + 70 °C

Operating voltage	10... 30VDC
Residual ripple	$\leq 10 \% U_{ss}$
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	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire, normally open, pnp
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	connectors, flange connector, Ø 8 mm
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

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.

Mounting instructions		minimum distances
Distance D		40 mm
Distance W		24 mm
Distance G		48 mm
Width of the active face B		20 mm

