

- 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

<b>Type</b>	Bi8U-Q08-AP6X2-V1131
Ident-No.	1662005

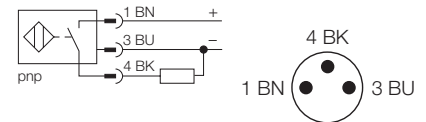
<b>Rated operating distance <math>S_n</math></b>	8 mm
Mounting condition	flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Repeatability	$\leq 2\%$
Temperature drift	$\leq \pm 10\%$
Hysteresis	3... 15 %
Ambient temperature	-25... + 70 °C

<b>Operating voltage</b>	10... 30VDC
Residual ripple	$\leq 10\% U_{ss}$
DC rated operational current	$\leq 200$ mA
No-load current $I_0$	$\leq 15$ mA
Residual current	$\leq 0.1$ mA
Rated insulation voltage	$\leq 0.5$ kV
Short-circuit protection	yes / cyclic
Voltage drop at $I_e$	$\leq 1.8$ V
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire, normally open, pnp
Switching frequency	$\leq 0.25$ kHz

<b>Housing</b>	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

<b>Operating voltage display</b>	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.

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**Mounting instructions** minimum distances

Distance D 40 mm

Distance W 24 mm

Distance G 48 mm

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**Width of the active face B** 20 mm