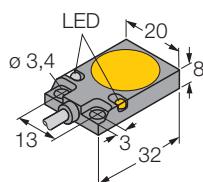
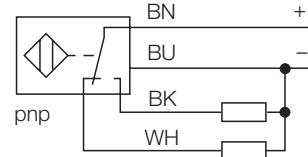


**Inductive sensor****Bi7-Q08-VP6X2**

<b>Type</b>	Bi7-Q08-VP6X2
Ident-No.	1600900
<b>Rated operating distance Sn</b>	7 mm
Mounting mode	flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	≤ 2 %
Temperature drift	≤ ± 10 %
Operating temperature	-25 ...+ 70 °C
<b>Rated operational voltage (DC) U<sub>B</sub></b>	10... 30 VDC
Max. ripple	≤ 10 % U <sub>pp</sub>
Rated operational current (DC) I <sub>e</sub>	≤ 200 mA
No-load current I <sub>0</sub>	≤ 15 mA
Max. OFF-state current	≤ 0,1 mA
Max. switching frequency	≤ 1 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	4-wire, complementary, PNP
Short-circuit protection	yes, cyclic
Max. voltage drop at I <sub>e</sub>	≤ 1,8 V
Wire breakage / reverse polarity protection	yes / complete
<b>Housing style</b>	rectangular; Q08
Dimensions	32 x 20 x 8 mm
Housing material	metal, GD-Zn
Active face	plastic, PA12-GF30
Wiring	cable
Cable	Ø 5,2, LiYY, PVC, 2 m
Cable cross section	4 x 0,25 mm <sup>2</sup>
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
<b>Supply voltage indication</b>	LED green
Switching status indication	LED yellow

- rectangular, height 8 mm
- top active face
- metal, GD-Zn
- 4-wire DC, 10...30 VDC
- SPDT, pnp output
- cable connection

**Wiring diagram****Function principles**

Inductive proximity switches are designed for wear-free non-contact detection of metal objects. For this they use a high-frequency electro-magnetic AC field that interacts with the target. With inductive sensors, this field is generated by an LC resonant circuit with a ferrite core coil.

**Inductive sensor****Bi7-Q08-VP6X2**

Mounting instructions	minimum gap
Gap D	2 x B
Gap W	3 x Sn
Gap S	1 x B
Gap G	6 x Sn

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Width of active face B	20 mm
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