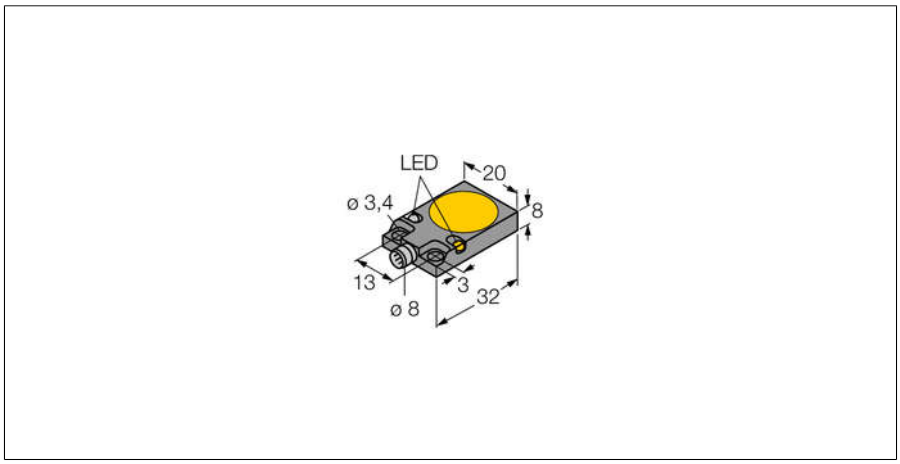
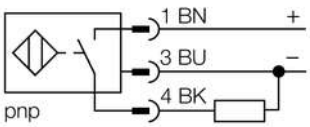
Capacitive sensor
BC5-Q08-AP6X2-V1131/S250



- **Rectangular, height 8 mm**
- **Active face on top**
- **Metal, GD-Zn**
- **Connector with snap-lock**
- **Fixed settings**
- **DC 3-wire, 10…30 VDC**
- **NO contact, PNP output**
- **Ø 8 mm connector**

Wiring diagram



Type code	BC5-Q08-AP6X2-V1131/S250
Ident no.	26210
Rated switching distance (flush)	5 mm
Rated switching distance (non-flush)	5 mm
Assured sensing range	≤ (0.72 x Sn) mm
Hysteresis	2…20 %
Temperaturdrift	type ≤ ± 20 %
Repeatability	≤ 2 % of full scale
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
Switching frequency	0.1 kHz
Rated insulation voltage	≤ 0.5 kV
Output function	3-wire, NO contact, PNP
Short-circuit protection	yes/ cyclic
Voltage drop at I_e	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Design	rectangular, Q08
Dimensions	32x 20x 8 mm
Housing material	metal, GD-Zn
Material active face	Plastic, PA
Connection	male, Ø 8 mm
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	1080 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED green
Switching state	LED yellow

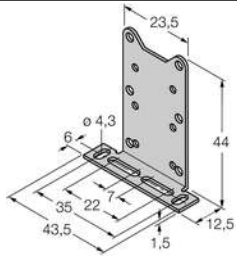
Functional principle

Capacitive proximity switches are designed for non-contact and wear-free detection of electrically conductive as well as non-conductive metal objects.

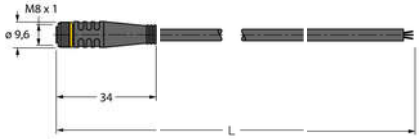
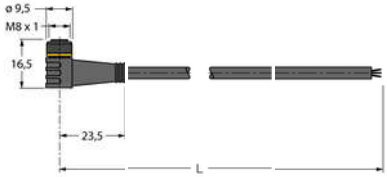
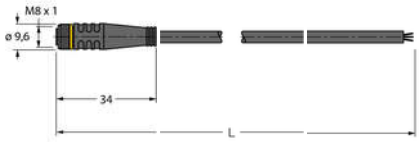
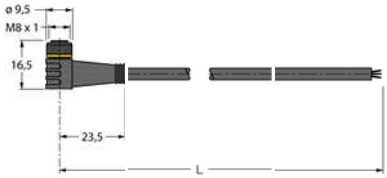
Edition • 2013-10-11T06:19:58+02:00

Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com

Accessories

Type code	Ident no.	Description	Dimension drawing
MW-Q08/Q10	6945007	Mounting bracket for rectangular Q08 or Q10; material VA 1.4301	

Wiring accessories

Type code	Ident no.	Description	Dimension drawing
PKG3M-2/TXL	6625550	Connection cable, female M8, straight, 3-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
PKW3M-2/TXL	6625556	Connection cable, female M8, angled, 3-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
PKG3M-2/TEL	6625058	Connection cable, female M8, straight, 3-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
PKW3M-2/TEL	6625064	Connection cable, female M8, angled, 3-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	

Edition • 2013-10-11T06:19:58+02:00