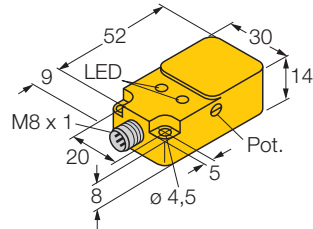


# capacitive sensor

## BC10-Q14-AN4X2-V1131

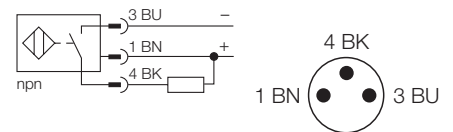
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- rectangular, height 14mm
- top active face
- plastic, PBT12-GF30-V0
- fine adjustment via potentiometer
- 3-wire DC, 10...65 VDC
- normally open npn output
- connector, M8 x 1

### Wiring diagram



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

<b>Type</b>	BC10-Q14-AN4X2-V1131
Ident-No.	2530011
<b>Rated operating distance Sn</b>	10 mm, flush mounting
Rated operating distance Sn	15 mm, non-flush mounting
Hysteresis	2... 20 %
Temperature drift	≤ ± 20 %
Repeatability	≤ 2 %
Ambient temperature	-25...+ 70 °C
<b>Operating voltage</b>	10... 65VDC
Residual ripple	≤ 10 % U <sub>SS</sub>
DC rated operational current	≤ 200 mA
No-load current I <sub>0</sub>	≤ 15 mA
Residual current	≤ 0.1 mA
Switching frequency	≤ 0.1 kHz
Rated insulation voltage	≤ 0.5 kV
Output function	3-wire, normally open, npn
Short-circuit protection	yes / cyclic
Voltage drop at I <sub>e</sub>	≤ 1.8V
Wire breakage / Reverse polarity protection	yes / complete
<b>Housing</b>	rectangular, Q14
Dimensions	52 x 30 x 14 mm
Housing material	plastic, PBT-GF30-V0
Material active face	plastic, PBT-GF30-V0
Connection	connectors, M8 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
<b>Operating voltage display</b>	LED green
Display switch state	LED yellow
Included in scope of supply	MH-Q14

capacitive sensor  
 BC10-Q14-AN4X2-V1131

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Accessories

Type code	Ident-No.	Short text	Dimension drawing
MW-Q14/Q20	6945006	mounting bracket; material VA 1.4301	
MH-Q14	6950011	for mounting with active face downwards	