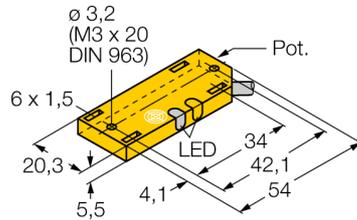


Capacitive sensor BC10-QF5,5-RP6X2

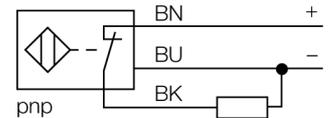
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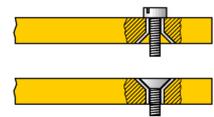
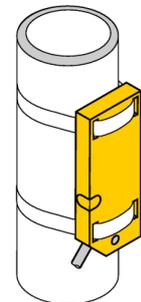
- Rectangular, height 5.5 mm
- Active face on top
- Plastic, PP
- Fine adjustment via potentiometer
- DC 3-wire, 10...30 VDC
- NC contact, PNP output
- Cable connection

Wiring diagram



Functional principle

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



Type	BC10-QF5,5-RP6X2
Ident-No.	2620126
Rated operating distance Sn	10 mm, flush mounting
Rated operating distance Sn	10 mm, non-flush mounting
Assured sensing range	≤ (0.72 x Sn) mm
Hysteresis	2...20 %
Temperaturdrift	type ≤ ± 20 %
Repeatability	≤ 2 %
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, NC contact, PNP
Short-circuit protection	yes/ cyclic
Voltage drop at I ₀	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Design	rectangular, QF5.5
Dimensions	54 x 20.3 x 5.5 mm
Housing material	Plastic, PP
Material active face	Plastic, PP
Connection	cable
Cable quality	Ø 3, LiYY-11Y, PUR, 2 m
Cable cross section	3 x 0.14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	1080years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green
Switching state	LED yellow
Included in scope of supply	2 retaining straps

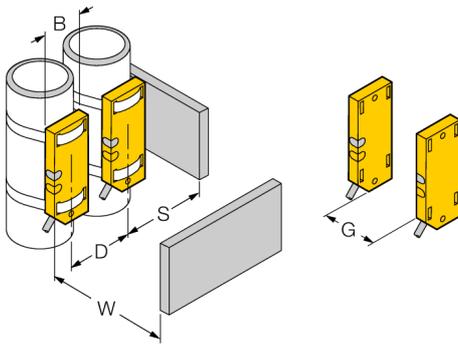
Capacitive sensor BC10-QF5,5-RP6X2

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Distance D	40 mm
Distance W	30 mm
Distance S	30 mm
Distance G	60 mm

Diameter of the active area B \varnothing 20 mm



The given minimum distances have been checked against the standard switching distance. Should the sensitivity of the sensors be changed via potentiometer, the data sheet specifications no longer apply.