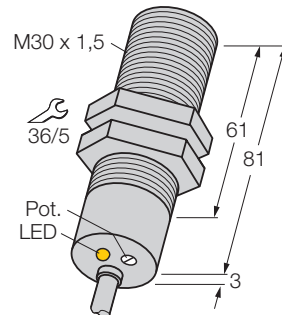


capacitive sensor BC10-M30-VP4X

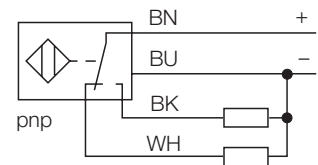
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- threaded barrel, M30 x 1.5
- Chrome-plated brass
- fine adjustment via potentiometer
- 4-wire DC, 10...65 VDC
- change-over, pnp output
- cable connection

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.

Type	BC10-M30-VP4X
Ident-No.	25020
Rated operating distance Sn	10 mm, flush mounting
Rated operating distance Sn	10 mm, non-flush mounting
Hysteresis	2... 20 %
Temperature drift	≤ ± 20 %
Repeatability	≤ 2 %
Ambient temperature	-25...+ 70 °C
Operating voltage	10... 65VDC
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	4-wire, change-over, pnp
Short-circuit protection	yes / cyclic
Voltage drop at I _e	≤ 1.8V
Wire breakage / Reverse polarity protection	yes / complete
Housing	threaded barrel, M30 x 1.5
Dimensions	81 mm
Housing material	metal, CuZn, chrome-plated
Material active face	plastic, PA12-GF30
Tightening torque of housing nut	25 Nm
Connection	cable
Cable quality	Ø 5.2, LifYY, PVC, 2 m
Cable cross section:	4 x 0.34mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Display switch state	LED yellow

capacitive sensor BC10-M30-VP4X

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Accessories

Type code	Ident-No.	Short text	Dimension drawing
BST-30B	6947216	fixing clamp with dead-stop; material: PA6	
MAP-M30	6950013	mounting adapter; material: Polypropylene; sensor replacement with filled container possible (adapter remains in container during sensor replacement)	