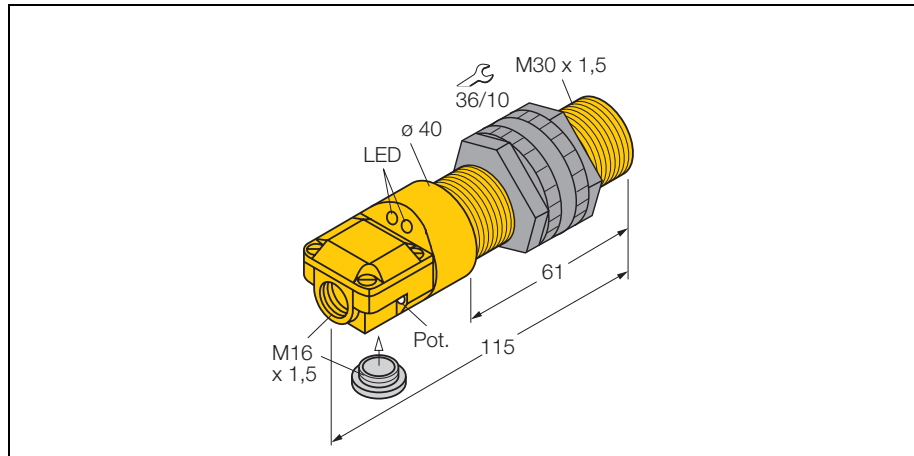


capacitive sensor BC10-P30SR-VP4X2

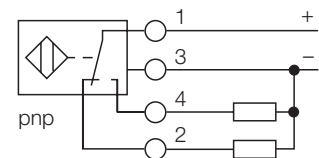
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- 2 cable entries (axial, radial)
- threaded barrel, M30 x 1.5
- plastic, ABS
- fine adjustment via potentiometer
- 4-wire DC, 10...65 VDC
- change-over, pnp output
- Terminal chamber

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-P30SR-VP4X2
Ident-No.	25050
Rated operating distance Sn	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
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	115 mm
Housing material	plastic, ABS
Material active face	plastic, ABS
Tightening torque of housing nut	5 Nm
Connection	Terminal chamber
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Operating voltage display	LED green
Display switch state	LED yellow
Included in scope of supply	blanking plug

capacitive sensor
BC10-P30SR-VP4X2

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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)	