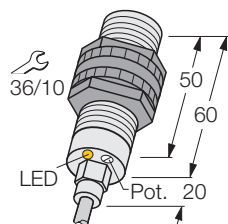


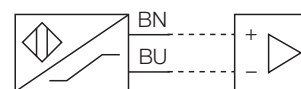
Capacitive sensor

BC10-PT30-Y0X



- threaded barrel, M30 x 1,5
- plastic, PVDF
- fine adjustment via potentiometer
- 2-wire DC, nom. 8.2 VDC
- output according to DIN EN 60947-5-6 (NAMUR)
- cable connection

Wiring diagram



Function principles

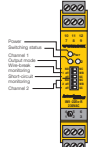
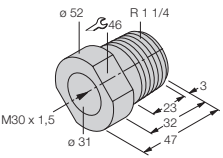
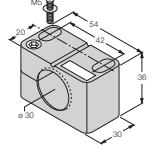
Capacitive proximity switches are designed for non-contact and wear-free detection of metal (electrically conductive) and non-metal (electrically non-conductive) objects.

Type	BC10-PT30-Y0X
Ident-No.	2020000
Rated operating distance Sn	10 mm, flush mounting
Rated operating distance Sn	15 mm, non-flush mounting
Hysteresis (switching distance)	1... 20 %
Temperature drift	≤ ± 20 %
Min. repeat accuracy	≤ 2 %
Operating temperature	-25 ...+ 70 °C
Voltage	nom. 8,2 VDC
Current consumption (off-state)	≤1,2 mA
Current consumption (on-state)	≥ 2,1 mA
Max. switching frequency	≤ 0,1 kHz
Output function	2-wire, NAMUR
Housing style	threaded barrel; M30 x 1,5
Dimensions	80 mm
Housing material	plastic, PVDF
Active face	plastic, PVDF
Max. fixing torque of coupling nut	2 Nm
Wiring	cable
Cable	Ø 5,2, LifYY, PVC, 2 m
Cable cross section	2 x 0,34 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Switching status indication	LED yellow

Capacitive sensor

BC10-PT30-Y0X

Accessories

Typ	Ident-No.	Description	Dimension drawing
IM1-22EX-R/24VDC	7541210	Isolating switching amplifier, two channels; input for NAMUR signals; optional wire-break and short-circuit monitoring function; selectable normally open or normally closed performance; removeable terminal blocks; 18 mm wide; supply voltage 24 VDC; further isolating switching amplifiers in our "Interface Technology" catalogue.	
MAP-M30	6950013	mounting adapter; material: Polypropylen; sensor replacement with filled container possible (adapter remains in container during sensor replacement)	
BST-30B	6947216	fixing clamp with dead-stop; material: PA6	
QM-30	6945103	quick-mount fixing clamp with dead-stop; material: chrome-plated brass external thread M36 x 1,5.	