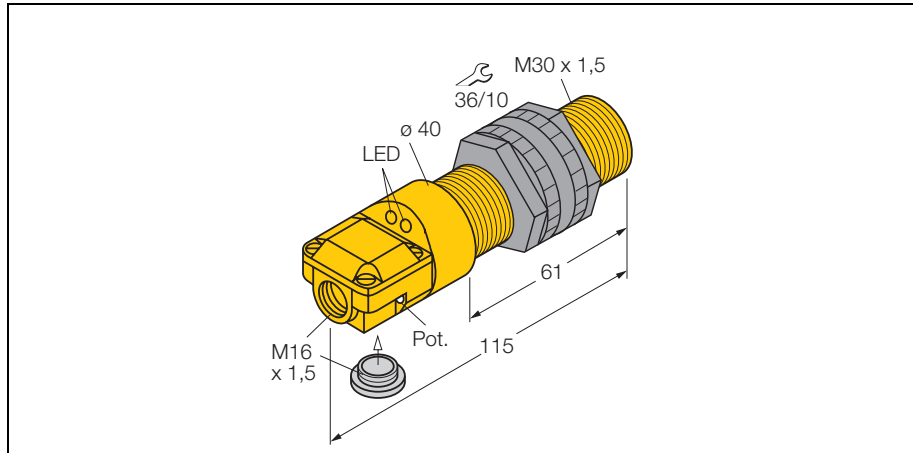


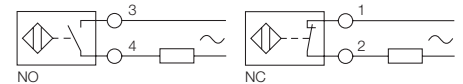
Capacitive sensor

BC10-P30SR-FZ3X2



- 2 cable entries (axial, radial)
- threaded barrel, M30 x 1,5
- plastic, ABS
- fine adjustment via potentiometer
- 2-wire AC, 20...250 VAC;
- connection programmable (n.c./n.o.)
- terminal chamber

Wiring diagram



Function principles

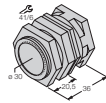
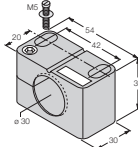
Capacitive proximity switches are designed for non-contact and wear-free detection of metal (electrically conductive) and non-metal (electrically non-conductive) objects.

Type	BC10-P30SR-FZ3X2
Ident-No.	23104
Rated operating distance S_n	10 mm, flush mounting
Rated operating distance S_n	15 mm, non-flush mounting
Hysteresis (switching distance)	2... 20 %
Temperature drift	$\leq \pm 20 \%$
Min. repeat accuracy	$\leq 2 \%$
Operating temperature	-25 ...+ 70 °C
Rated operational voltage (AC) U_B	20... 250 VAC
Rated operational current (AC) I_e	≤ 500 mA
Line frequency	50... 60 Hz
Min. operational current I_m	≥ 5 mA
Max. OFF-state current	$\leq 1,7$ mA
Max. switching frequency	$\leq 0,02$ kHz
Rated insulation voltage	$\leq 1,5$ kV
Output function	2-wire, connection programmable
Max. voltage drop at I_e	≤ 7 V
Housing style	threaded barrel; M30 x 1,5
Dimensions	115 mm
Housing material	plastic, ABS
Active face	plastic, ABS
Max. fixing torque of coupling nut	5 Nm
Wiring	terminal chamber
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Supply voltage indication	LED green
Switching status indication	LED yellow
Included with sensor	blanking plug

Capacitive sensor

BC10-P30SR-FZ3X2

Accessories

Typ	Ident-No.	Description	Dimension drawing
QM-30	6945103	quick-mount fixing clamp with dead-stop; material: chrome-plated brass external thread M36 x 1,5.	
BST-30B	6947216	fixing clamp with dead-stop; material: PA6	
MAP-M30	6950013	mounting adapter; material: Polypropylen; sensor replacement with filled container possible (adapter remains in container during sensor replacement)	