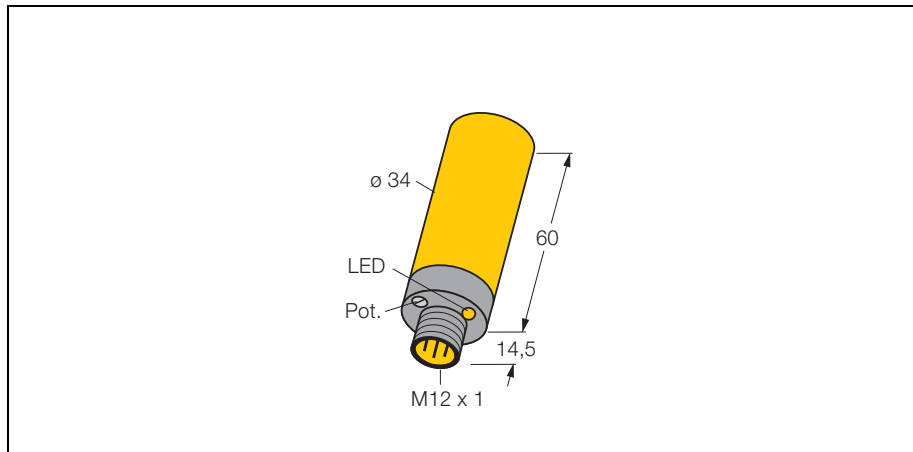


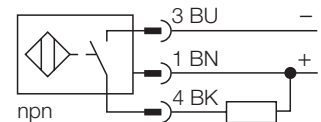
Capacitive sensor

BC15-K34-AN4X-H1141



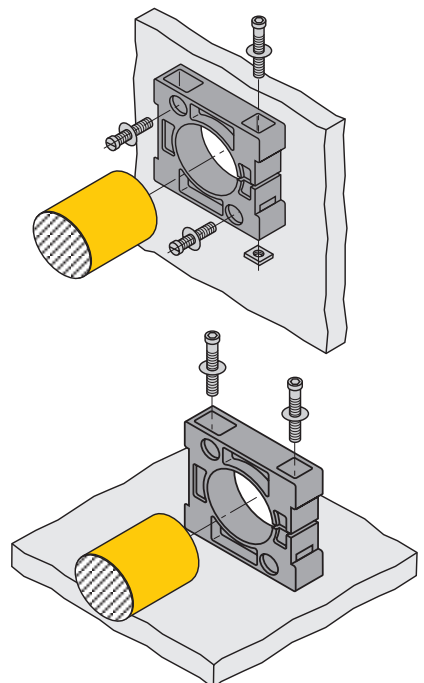
- smooth barrel, 34mm diameter
- plastic, PBT-GF30-V0
- fine adjustment via potentiometer
- 3-wire DC, 10...65 VDC
- normally open npn output
- connector, M12 x 1

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.

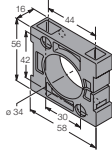


Type	BC15-K34-AN4X-H1141
Ident-No.	2502125
Rated operating distance Sn	15 mm, flush mounting
Rated operating distance Sn	23 mm, non-flush mounting
Hysteresis (switching distance)	2... 20 %
Temperature drift	≤ ± 20 %
Min. repeat accuracy	≤ 2 %
Operating temperature	-25 ... + 70 °C
Rated operational voltage (DC) U_B	10... 65 VDC
Max. ripple	≤ 10 % U _{pp}
Rated operational current (DC) I _e	≤ 200 mA
No-load current I ₀	≤ 15 mA
Max. OFF-state current	≤ 0,1 mA
Max. switching frequency	≤ 0,1 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	3-wire, normally open, NPN
Short-circuit protection	yes, cyclic
Max. voltage drop at I _e	≤ 1,8 V
Wire breakage / reverse polarity protection	yes / complete
Housing style	smooth barrel; 34 mm
Dimensions	74,5 mm
Housing material	plastic, PBT-GF30-V0
Active face	plastic, PBT-GF30-V0
Wiring	connector, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Switching status indication	LED yellow
Included with sensor	BS34.1, 2 screws M5

Capacitive sensor

BC15-K34-AN4X-H1141

Accessories

Typ	Ident-No.	Description	Dimension drawing
BS34.1	6946010	fixing clamp: mounting block material (PBT-GF20-V0); dimensions (58 mm x 56 mm x 16 mm), included in delivery (2 M5 screws for base mounting)	
BS34.1-WMS	6946009	screw set for wall mounting	