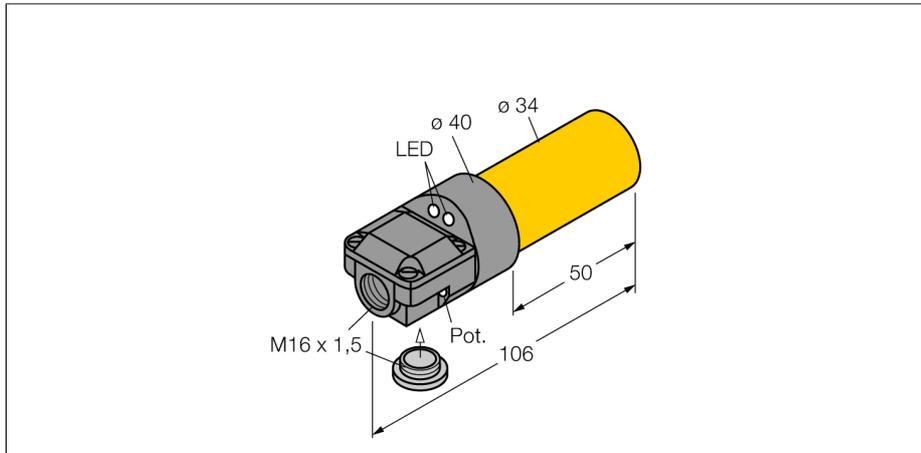


Capacitive sensor BC15-K34SR-FZ3X2

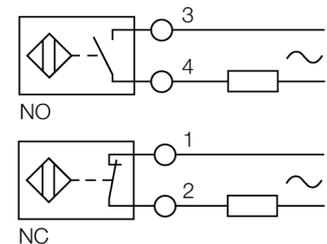
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- 2 cable entries (axial, radial)
- Smooth barrel, Ø 34 mm
- Plastic, PBT-GF30-V0
- Fine adjustment via potentiometer
- AC 2-wire, 20...250 VAC
- Programmable connection (NC/NO)
- Terminal chamber

Wiring diagram



Functional principle

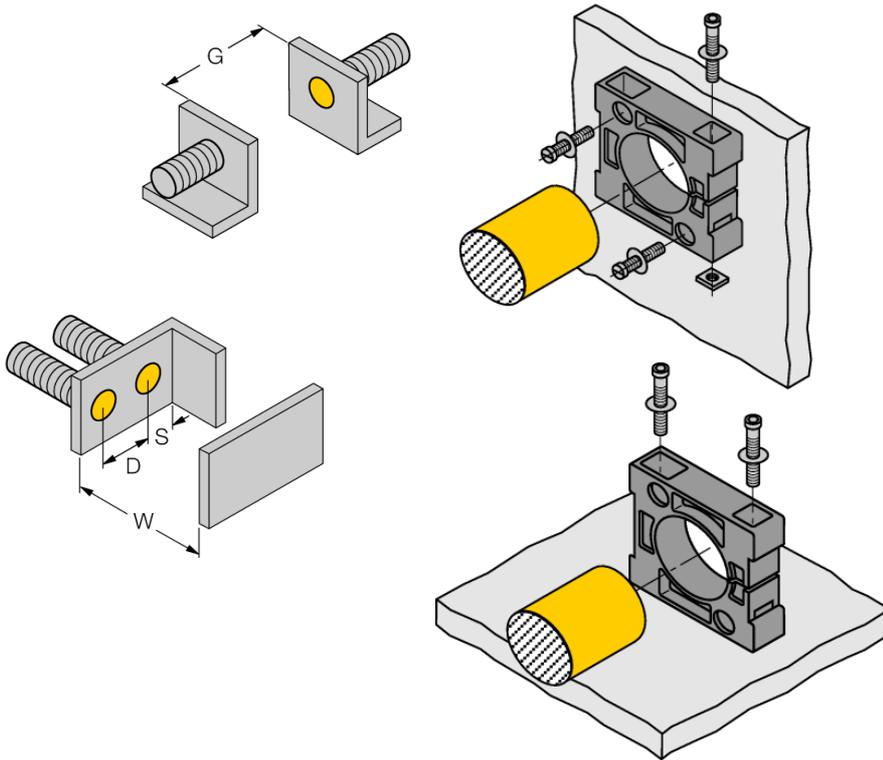
Capacitive proximity switches are designed for non-contact and wear-free detection of electrically conductive as well as non-conductive metal objects.

Type	BC15-K34SR-FZ3X2
Ident-No.	2310009
Rated operating distance Sn	15 mm, flush mounting
Rated operating distance Sn	22.5 mm, non-flush mounting
Assured sensing range	≤ (0.72 x Sn) mm
Hysteresis	2...20 %
Temperaturdrift	type ± 20 %
Repeatability	≤ 2 %
Ambient temperature	-25...+70 °C
Operating voltage	20...250 VAC
AC rated operational current	≤ 500 mA
Frequency	≥ 50...≤ 60 Hz
Smallest operating current _m	≤ 5 mA
Residual current	≤ 1.7 mA
Switching frequency	0.02 kHz
Rated insulation voltage	≤ 1.5 kV
Output function	2-wire, connection programmable, 2-wire
Voltage drop at I _a	≤ 7 V
Design	smooth barrel, 34 mm
Dimensions	106 mm
Housing material	Plastic, PBT-GF30-V0
Material active face	Plastic, PBT-GF30-V0, yellow
Connection	Terminal chamber
Clamping ability	≤ 2.5 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	1080years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green
Switching state	LED yellow
Included in scope of supply	BS34.1, blanking plugs, 2 M5 screws

**Capacitive sensor
BC15-K34SR-FZ3X2**

Mounting instructions	minimum distances
Distance D	68 mm
Distance W	45 mm
Distance S	51 mm
Distance G	90 mm

Diameter of the active area B	Ø 34 mm
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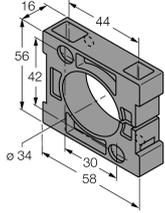
The given minimum distances have been checked in compliance with the standard switching distance. Should the sensitivity of the sensors be changed via potentiometer, the data sheet specifications no longer apply.

Capacitive sensor BC15-K34SR-FZ3X2

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Accessories

Type code	Ident-No.	Short text	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	