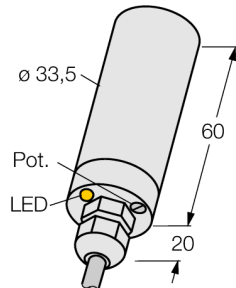


Capacitive sensor NC20-KT34-VP7X2 2.5M

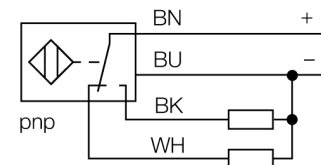
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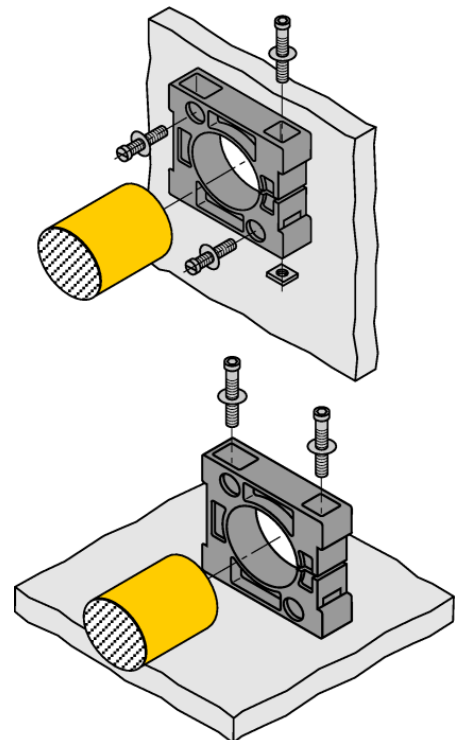
- Smooth barrel, Ø 34 mm
- Plastic, PVDF
- Fine adjustment via potentiometer
- DC 4-wire, 10-30 VDC
- Complementary contact, PNP output
- Cable connection

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 designation	NC20-KT34-VP7X2 2.5M
Ident-No.	2690002
Rated switching distance (non-flush)	20 mm
Secured operating distance	≤ (0.72 x Sn) mm
Hysteresis	2...20 %
Temperature drift	type 20 %
Repeat accuracy	≤ 2 % of full scale
Ambient temperature	-25...+70 °C
Operating voltage	10...30 VDC
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
Isolation test voltage	≤ 0.5 kV
Output function	4-wire, Complementary contact, PNP
Short-circuit protection	yes
Voltage drop at I ₀	≤ 1.8 V
Wire breakage/Reverse polarity protection	yes/ Complete
Design	Smooth barrel, 34 mm
Dimensions	80 mm
Housing material	Plastic, PVDF
Active area material	Plastic, PVDF
Electrical connection	Cable
Cable quality	Ø 5.7mm, PVDF, 2.5
Cable cross section	4 x 0.34 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	1080 years acc. to SN 29500 (Ed. 99) 40 °C
Packaging unit	1
Switching state	LED, Yellow

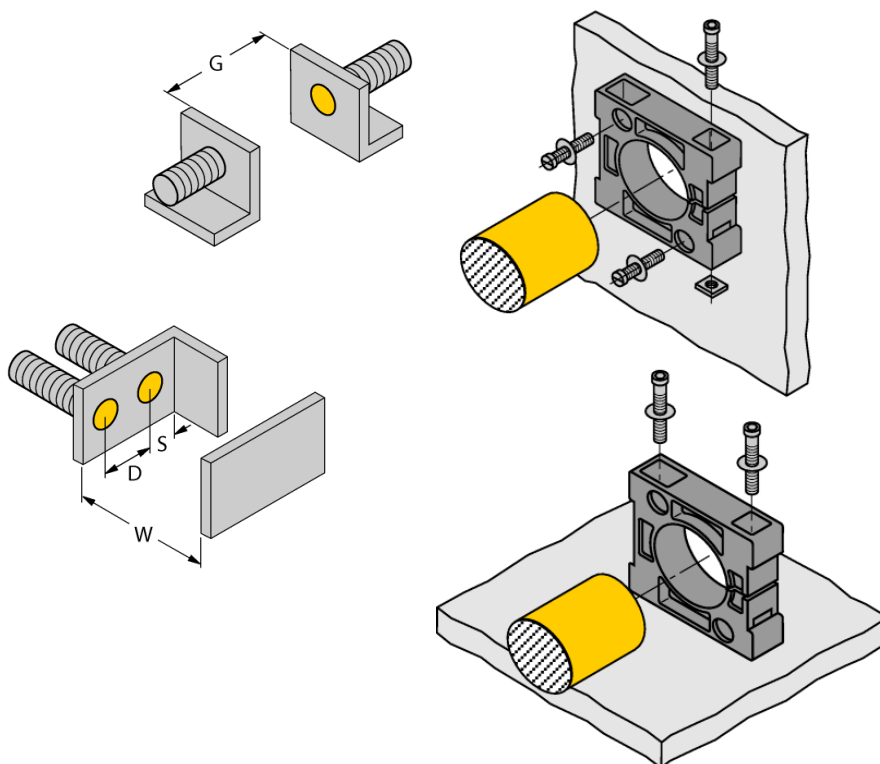
Capacitive sensor NC20-KT34-VP7X2 2.5M

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

Diameter 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
NC20-KT34-VP7X2 2.5M



Accessories

Type code	Ident-No.	Description	
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)	