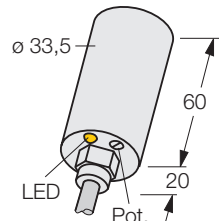


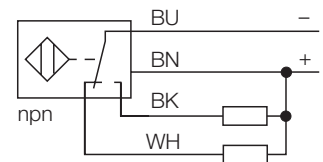
Capacitive sensor

NC20-KT34-VN4X2



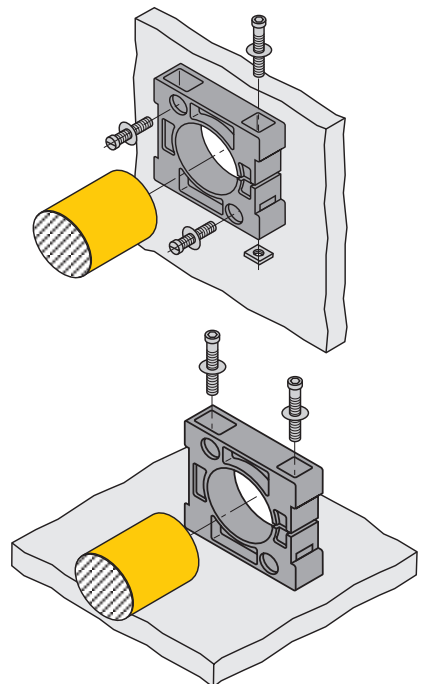
- smooth barrel, 34 mm diameter
- plastic, PVDF
- fine adjustment via potentiometer
- 4-wire DC, 10...65 VDC
- SPDT, npn output
- cable connection

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	NC20-KT34-VN4X2
Ident-No.	2550100
Rated operating distance S_n	20 mm, non-flush mounting
Hysteresis (switching distance)	2... 20 %
Temperature drift	$\leq \pm 20$ %
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_B	≤ 200 mA
No-load current I_0	≤ 15 mA
Max. OFF-state current	$\leq 0,1$ mA
Max. switching frequency	$\leq 0,2$ kHz
Rated insulation voltage	$\leq 0,5$ kV
Output function	4-wire, complementary, NPN
Short-circuit protection	yes, cyclic
Max. voltage drop at I_B	$\leq 1,8$ V
Wire breakage / reverse polarity protection	yes / complete
Housing style	smooth barrel; 34 mm
Dimensions	80 mm
Housing material	plastic, PVDF
Active face	plastic, PVDF
Wiring	cable
Cable	$\varnothing$ 5,2, PVDF, PVC, 2 m
Cable cross section	4 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

NC20-KT34-VN4X2

Accessories

Typ	Ident-No.	Description	Dimension drawing
BS34.1-WMS BS34.1	6946009 6946010	screw set for wall mounting 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)	