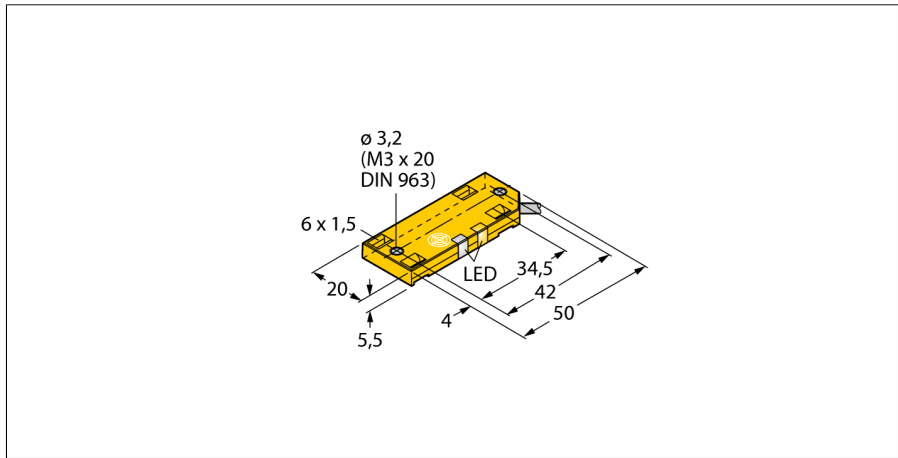
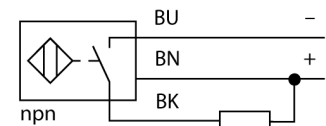


Capacitive sensor BC5-QF5.5-AN6X2/S250



- Rectangular, height 5.5 mm
- Active face on top
- Plastic, PP
- Fixed settings
- DC 3-wire, 10...30 VDC
- NO contact, NPN output
- Cable connection

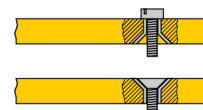
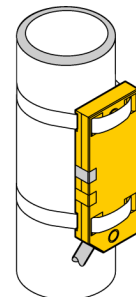
Wiring Diagram



Type designation	BC5-QF5.5-AN6X2/S250
Ident-No.	2620120
Rated switching distance Sn	5 mm
Mounting conditions	Flush
Secured operating distance	≤ (0.72 x Sn) mm
Repeat accuracy	≤ 2 % of full scale
Temperature drift	type 20 %
Hysteresis	2...20 %
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
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	yes/ Cyclic
Voltage drop at I ₀	≤ 1.8 V
Wire breakage/Reverse polarity protection	yes/ Complete
Output function	3-wire, NO contact, NPN
Switching frequency	0.1 kHz
Approvals	UL
Design	Rectangular,QF5,5
Dimensions	54 x 20.3 x 5.5 mm
Housing material	Plastic, PP
Active area material	Plastic, PP
Electrical connection	Cable
Cable quality	3mm, LifYY-11Y, PUR, 2
Cable cross section	3 x 0.14 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
Power-on indication	LED,Green
Switching state	LED,Yellow

Functional principle

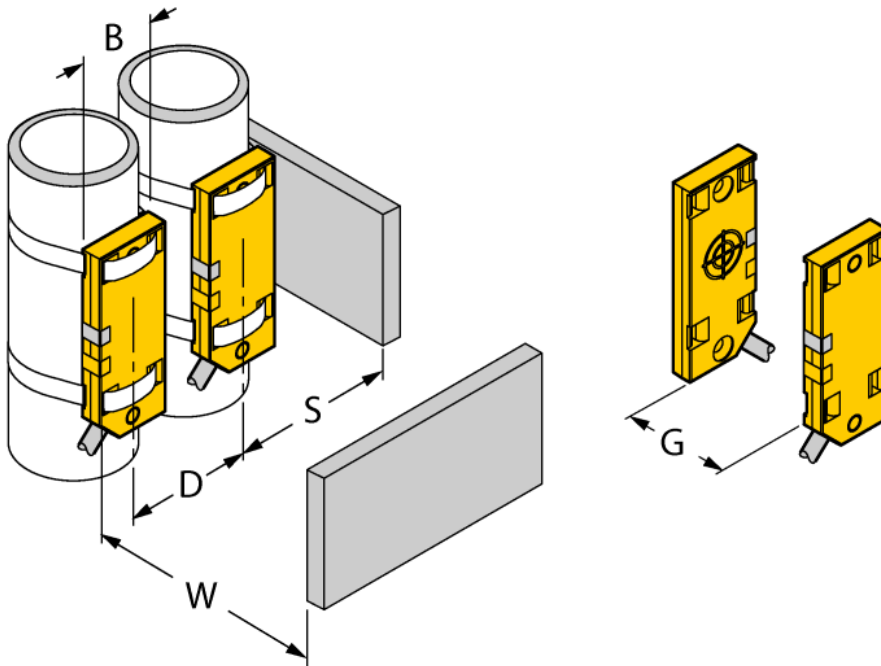
Capacitive proximity switches are designed for non-contact and wear-free detection of electrically conductive as well as non-conductive metal objects.



Capacitive sensor BC5-QF5.5-AN6X2/S250

Distance D	40 mm
Distance W	30 mm
Distance S	30 mm
Distance G	60 mm

Diameter active area B \varnothing 20 mm



The given minimum distances have been checked against the standard switching distance. Should the sensitivity of the sensors be changed via potentiometer, the data sheet specifications no longer apply.