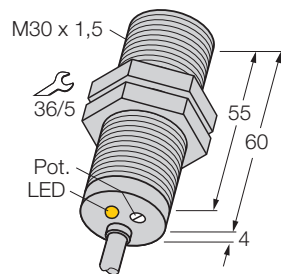


capacitive sensor BC10-M30K-AZ3X

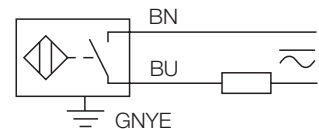
TURCK

Industrial
Automation



- fine adjustment via potentiometer
- AC 2-wire, 20...250 VAC
- normally open
- cable connection

Wiring diagram



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

Type	BC10-M30K-AZ3X
Ident-No.	2503031
Rated operating distance Sn	10 mm, flush mounting
Rated operating distance Sn	10 mm, non-flush mounting
Hysteresis	2... 20 %
Temperature drift	≤ ± 20 %
Repeatability	≤ 2 %
Ambient temperature	-25...+ 70 °C
Operating voltage	20... 250VAC
AC rated operational current	≤ 500 mA
Frequency	50... 60 Hz
Smallest operating current I _m	≥ 5 mA
Residual current	≤ 1.7 mA
Switching frequency	≤ 0.02kHz
Rated insulation voltage	≤ 1.5 kV
Output function	2-wire, NO, 2-wire
Voltage drop at I _e	≤ 7V
Housing	threaded barrel, M30 x 1.5
Dimensions	60 mm
Material active face	plastic, PA12-GF30
Tightening torque of housing nut	25 Nm
Electrical connection	cable
Cable quality	Ø 5.2, LifYY, PVC, 2 m
Cable cross section:	3 x 0.5mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Display switch state	LED yellow