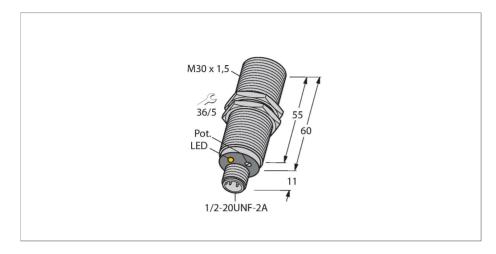


# BC10-M30K-RZ3X-B3131 Capacitive Sensor



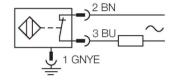
#### Technical data

Туре	BC10-M30K-RZ3X-B3131
ID	2503023
Rated switching distance (flush)	10 mm
Rated switching distance (non-flush)	10 mm
Secured operating distance	≤ (0.72 × Sn) mm
Hysteresis	220 %
Temperature drift	Typical 20 %
Repeat accuracy	≤ 2 % of full scale
Ambient temperature	-25+70 °C
Electrical data	
Operating voltage U <sub>B</sub>	20250 VAC
AC rated operational current	≤ 500 mA
Frequency	≥ 50≤ 60 Hz
Smallest operating current	≥ 5 mA
Residual current	≤ 1.7 mA
Switching frequency	0.02 kHz
Oscillation frequency	According to EN 60947-5-2, 8.2.6.2 Table 9: 0.12.0 MHz
Isolation test voltage	1.5 kV
Output function	2-wire, NC contact, 2-wire
Voltage drop at I。	≤ 7 V
Tests/approvals	
Mechanical data	
Design	Threaded barrel, M30 x 1.5

## **Features**

- ■M30 × 1.5 threaded barrel
- Chrome-plated brass
- Fine adjustment via potentiometer
- ■AC 2-wire, 20...250 VAC
- ■NC contact
- ■1/2" connector

## 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.

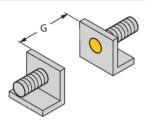


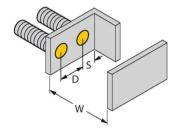
## Technical data

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## Mounting instructions

#### Product features





Distance D	60 mm
Distance W	30 mm
Distance S	45 mm
Distance G	60 mm
Diameter active area B	Ø 30 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.