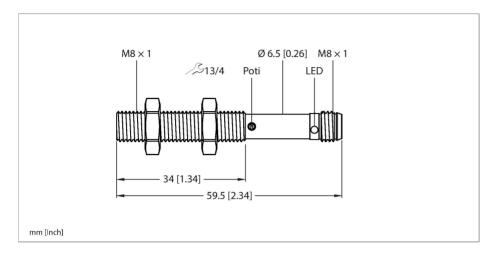


# BC2-EM08-UN8X-V1131 Capacitive Sensor





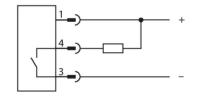
re-set), NPN
rel, M8 x 1
<u> </u>



#### **Features**

- ■M8 × 1 threaded barrel
- Stainless steel housing, probe made of PBT
- Fine adjustment via potentiometer
- ■DC 3-wire, 18...30 VDC
- Adjustable NC/NO contact
- Factory-set NO contact
- ■3-pin connector device, M8 × 1

## 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.

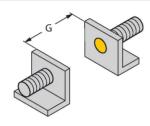


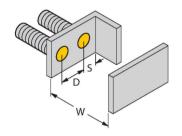
## Technical data

Active area material	PBT, yellow
Electrical connection	Connector, M8 × 1
Protection class	IP67
MTTF	1080 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	Green
Switching state	LED, Yellow

# Mounting instructions

#### Product features

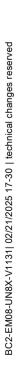




Distance D	16 mm
Distance W	8 mm
Distance S	12 mm
Distance G	16 mm
Diameter active area B	Ø 8 mm

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.





#### LED status indicators

LED	Meaning	
Yellow	Operating mode NO: Object detected	
	Operating mode NC: Object not detected	
Flashes yellow 1 ×	Potentiometer counterclockwise:	
	Sensor at minimum switching distance	
	Potentiometer clockwise:	
	Sensor at maximum switching distance	
Flashes yellow 3 ×	NO/NC switching successful	

For a detailed description of the NO/NC switching, see Quick Start Guide BC2-EM08-Ux8X... (100034228.pdf)