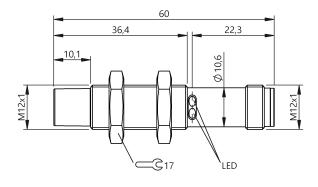
# **Capacitive Sensors** BCS M12K4D2-GOM80G-S04G **Order Code: BCS017A**









### **Basic features**

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	2x nut M12x1
	Installation guide
Sensitivity	Switching distance teachable
Series	M12

## **Display/Operation**

Function indicator Power indicator

### **Electrical connection**

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

yes

yes

### **Electrical data**

Load capacitance max. at Ue	220 nE
Loau capacitance max. at De	220 HF
No-load current lo max. at Ue	15 mA
Operating voltage Ub	1230 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	50 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

### **Environmental conditions**

NP normally closed
normally open (NO)
less steel

# Capacitive Sensors BCS M12K4D2-GOM80G-S04G Order Code: BCS017A



### **Mechanical data**

Range/Distance	
----------------	--

Dimension	Ø 12 x 60 mm	Hysteresis H max. (% of Sr) 15 %	
Installation	non-flush	Measuring range 0.58 mm	
Size	M12x1	Rated operating distance Sn 8 mm	
Thread (A)	M12x1	Repeat accuracy max. (% of Sr) 2 %	
Tightening torque	8 Nm	Temperature drift max. (% of Sr) 20 %	

## Remarks

For full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7..12 seconds. Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-.

The push-pull switching outputs must not be connected in parallel.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

# Connector Drawings

