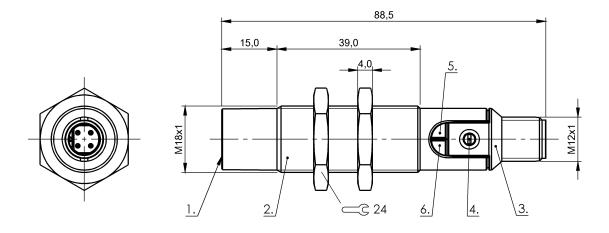
# Capacitive Sensors BCS M18BBG2-PSC15H-S04K Order Code: BCS00LM





1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED Power, 6) LED function indicator



#### **Basic features**

Approval/Conformity	CE
	UKCA
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Series	M18
Trademark	Global

## **Display/Operation**

Function indicator	yes
Power indicator	yes

## **Electrical connection**

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

#### **Electrical data**

Operating voltage Ub 2   Protection class 1   Rated insulation voltage Ui 2   Rated operating current le 2   Rated operating voltage Ue DC 2	13 mA 1030 VDC II 75 V DC 100 mA
Protection class I Rated insulation voltage Ui Rated operating current le Rated operating voltage Ue DC	11 75 V DC
Rated insulation voltage Ui Rated operating current le Rated operating voltage Ue DC	75 V DC
Rated operating current le 22 Rated operating voltage Ue DC 22	
Rated operating voltage Ue DC	100 mA
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	24 V
Ready delay tv max.	300 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V
Environmental conditions	
Ambient temperature	-2585 °C
IP rating	IP67
Functional safety	
MTTF (40 °C)	226 a
Interface	
Switching output	PNP normally open (NO)
Material	
Cover material	PBT
F	PA
	РВТ
Housing material	

eCl@ss 9.1: 27-27-01-02 ETIM 6.0: EC002715 BCS00LM\_0.104\_2022-07-16

# Capacitive Sensors BCS M18BBG2-PSC15H-S04K Order Code: BCS00LM



### **Mechanical data**

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Dimension	Ø 18 x 88.5 mm	Hysteresis H max. (% of Sr)	15.0 %	
Installation	non-flush	Measuring range	215 mm	
Size	M18x1	Rated operating distance Sn	15 mm	
Thread (A)	M18x1	Repeat accuracy max. (% of Sr)	2.0 %	
Tightening torque	2 Nm	Temperature drift max. (% of Sr)	20 % [-555 °C]	

**Range/Distance** 

## Remarks

The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything. If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. 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**



## **Wiring Diagrams**

