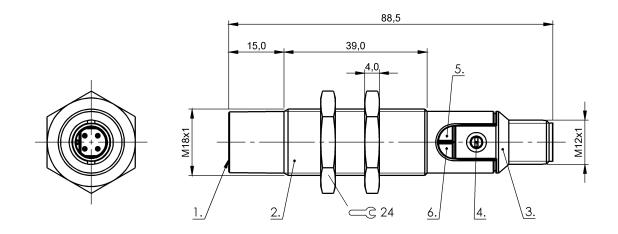
# BCS M18BBG2-PSC15H-S04K

**Order Code: BCS00LM** 





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











### **Basic features**

Polarity reversal protected

Short-circuit protection

Protection against device mix-ups

Approval/Conformity	CE
	UKCA
	cULus
	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	

yes

yes

### **Electrical data**

No-load current lo max. at Ue	20 mA
Operating voltage Ub	1030 VD0
Protection class	II
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	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

Material	
Cover material	РВТ
	PA
Housing material	PBT
Material sensing surface	PBT

PNP normally open (NO)

### **Capacitive Sensors**

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### Mechanical data

DimensionØ 18 x 88.5 mmInstallationnon-flushSizeM18x1Thread (A)M18x1Tightening torque2 Nm

### Range/Distance

Hysteresis H max. (% of Sr)

Measuring range

Rated operating distance Sn

Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

15.0 %

2...15 mm

2.0 %

2.0 %

2.0 %

2.0 %

2.0 %

2.0 %

2.0 %

2.0 %

#### Remarks

The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

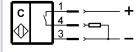
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

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**



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