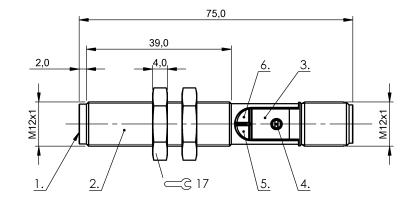
# Capacitive Sensors BCS M12BBG2-PSC40D-S04K Order Code: BCS00PJ







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



#### **Basic features**

Approval/Conformity	CE					
	UKCA					
	cULus					
	WEEE					
Basic standard	IEC 60947-5-2					
Scope of delivery	Nut (2x)					
Sensitivity	Switching distance adjustable					
Series	M12					
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**

No-load current lo max. at Ue	20 mA				
Operating voltage Ub	1030 VDC				
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 Contamination scale IP rating	-2585 °C 1 IP67
Functional safety	343 a
Interface Switching output	PNP normally open (NO)

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### Material

Cover material	PBT
	PA
Housing material	PBT
Material sensing surface	PBT

### Mechanical data

Dimension	Ø 12 x 75 mm					
Installation	for flush mounting					
Size	M12x1					
Thread (A)	M12x1					
Tightening torque	1 Nm					

R	a	n	n	۵l	D	i	c	t	ລ	r	۱.	c	ρ
1	a		У	CI			3	L	α			J	c

15.0 %				
14 mm				
4 mm				
2.0 %				
20 % [-555 °C]				

#### **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

