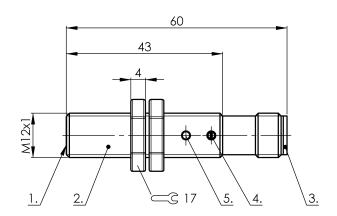
# BCS M12T4D2-PSM40C-S04G

Order Code: BCS0037





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









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

## Display/Operation

Function	indicator	V	es
FullCuon	mulcator	у	C2

#### **Electrical connection**

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

#### **Electrical data**

No-load current lo max. at Ue	12 mA
Operating voltage Ub	1235 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

## **Environmental conditions**

Ambient temperature	-3070 °C
Contamination scale	1
IP rating	IP65

## **Functional safety**

MTTF (40 °	C)	584 a

#### Interface

Switching output	PNP normally open (NO)
Switching output	i ivi iloillially open (ivo)

#### Material

Cover material	PA
Housing material	1.4301 stainless steel

Material sensing surface PTFE

## **Capacitive Sensors**

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#### Mechanical data

DimensionØ 12 x 60 mmInstallationfor flush mountingSizeM12x1Thread (A)M12x1Tightening torque8 Nm

## Range/Distance

Hysteresis H max. (% of Sr)

Measuring range
1...4 mm

Rated operating distance Sn

Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

20 %

#### Remarks

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

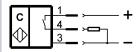
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

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**



## **Installation remarks**



1) Machine GND