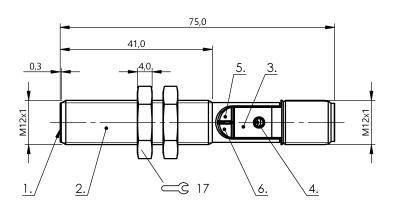
BCS M12B4G2-POC40D-S04K

Order Code: BCS00P1







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, 3-pin, A-coded
Number of pins	3
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

No-load current lo max. at Ue	20 mA
Operating voltage Ub	1030 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.	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
Contamination scale	1
IP rating	IP67

Functional safety

Material sensing surface

Electrical data

MTTF (40 °C)	343 a
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Interface

Switching output	PNP normally closed (NC)

Material

Cover material	PBT
	PA
Housing material	1.4305 stainless steel

PBT

Capacitive Sensors

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Mechanical data

Dimension Ø 12 x 75 mm Installation for flush mounting Size M12x1 Thread (A) M12x1 Tightening torque 8 Nm

Range/Distance

Hysteresis H max. (% of Sr) 15% Measuring range 1...4 mm 2 % Repeat accuracy max. (% of Sr) Temperature drift max. (% of Sr) 20 % [-5...55 °C]

Remarks

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

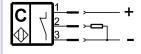
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

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 (Schematic)



Subject to change without notice: 187095