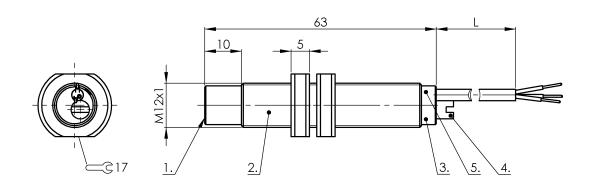
BCS M12TTI1-POM60G-ET02-E

Order Code: BCS009K





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



Basic features	
Approval/Conformity	CE
	cULus
	EAC
	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	yes
Electrical connection	
Cable diameter D	3.3 mm
Cable length L	2 m
Conductor cross-section	0.24 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical da	ata
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No-load current lo max. at Ue	15 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	25 Hz	
Utilization category	DC -13	
Voltage drop static max.	0.8 V	

Environmental conditions

Ambient temperature	-3060 °C
Contamination scale	1
IP rating	IP65

Functional safety

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MTTF (40 °C)	595 a
Interface	
Switching output	PNP normally closed (NC)

Materiai		
Cover material	PTFE	
Housing material	PTFE	
Material jacket	PTFE	
Material sensing surface	PTFE	

Capacitive Sensors

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Mechanical data

Dimension Ø 12 x 63 mm Installation non-flush Size M12x1 Thread (A) M12x1 **Tightening torque** 0.5 Nm

Range/Distance

Hysteresis H max. (% of Sr) 15.0 % 1...6 mm Measuring range Rated operating distance Sn 6 mm Repeat accuracy max. (% of Sr) 2.0 % Temperature drift max. (% of Sr) 15 %

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.

Wiring Diagrams

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