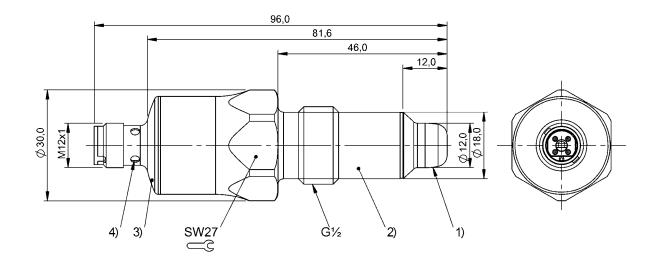
BCS S04K501-PSCFNG-S04G-T51

Order Code: BCS011M





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









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Basic reatures	
Additional features	Electrically conductive media
	Foam and residue compensation
Approval/Conformity	CE
	UKCA
	WEEE
	cULus
Basic standard	IEC 60947-5-2
Scope of delivery	Installation guide
Sensitivity	teachable depending on media
Series	S04
Diamles //On exetien	
Display/Operation	

Function indicator	yes	
Power indicator	no	
Setting	Teachable	

Electrical connection

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

Electrical data

Load capacitance max. at Ue	0.33 μF
No-load current lo max. at Ue	17.0 mA
Operating voltage Ub	1230 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	50 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	200 ms
Ripple max. (% of Ue)	10 %
Switching frequency	5 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

MTTF (40 °C)	94 a
Functional safety	
Media temperature max.	105 °C
IP rating	IP68, IP69K at connector exit
Contamination scale	3
Ambient temperature	-1085 °C
Environmental condition	าร

Interface

Switching output PNP normally open (NO)

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Material

Cover material 1.4404 stainless steel Housing material 1.4404 stainless steel PEEK

Material sensing surface

Mechanical data

Dimension Ø 30 x 96 mm Installation non-flush Pressure rating max. 16 bar Size D30.0 Thread (A) G 1/2" Tightening torque 20...25 Nm

Remarks

Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-.

Switching output- and function programmable using IO-Link.

For full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7..12 seconds.

We explicitly point out that the product is not suitable for food contact and hygienic use

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

