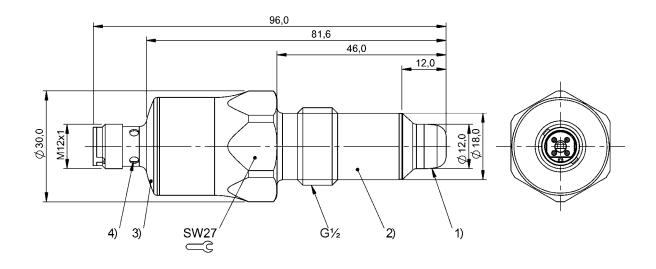
# BCS S04K501-POCFNG-S04G-T51

Order Code: BCS011N





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









- Basic realures	Basic	features
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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
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

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

#### Interface

Subject to change without notice: 237541

Switching output PNP normally closed (NC)

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#### Material

Cover material1.4404 stainless steelHousing material1.4404 stainless steel

Material sensing surface PEEK

#### 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

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

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

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

