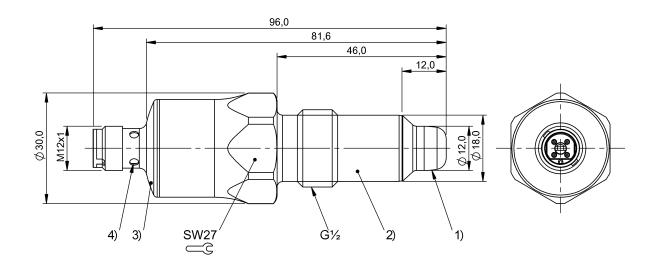
BCS S04K501-PICFNG-S04G-T50

Order Code: BCS011E





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











Additional features	Electrically conductive media Foam and residue compensation
Approval/Conformity	CE
	IO-Link
	EAC
	WEEE
	cULus LISTED
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	0.001 μF
No-load current lo max. at Ue	15.0 mA
Operating voltage Ub	1830 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
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	5 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-4085 °C
Contamination scale	3
IP rating	IP68, IP69K at connector exit
Media temperature max.	105 °C
Functional safety	

MTTF (40 °C) 94 a

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IO-Link

IO-Link Profil IDs 0x0001 SSP0 **IO-Link function classes** 0x8000 Device Identification 0x8001 Binary Data Channel 0x8002 Process Data Variables 0x8003 Device Diagnosis 0x8004 Teach Commands Supported IO-Link Profiles

Interface

Cycle time min. 20 ms **IO-Link version** 1.1 Interface IO-Link 1.1 Process data OUT 2 bytes

Switching output PNP normally open (NO)

Material

Cover material 1.4404 stainless steel Housing material 1.4404 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

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

Suitable for all media except aggressive oils

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.

Legacy Smart Sensor Profile

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

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.

Subject to change without notice: 237534

Connector Drawings



Wiring Diagrams

