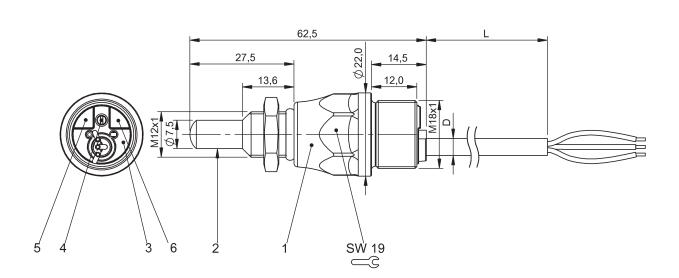
Capacitive Sensor

BCS S44KK01-GPCFAG-EP02 BCS010L



1) Housing 2) Active surface 3) Top cover 4) Pot 5) Function indicator yellow 6) Power indicator green

- Level Sensor
- PNP/NPN
- NO/NC codable
- Non-flush
- Cable, PUR, 2.00 m

General attributes

Approvals / Conformity Basic standard Enclosure Type per IEC 60529 Function indicator Polarity reversal protected Power indicator Scope of delivery Series Short circuit protected MTTF

Electrical attributes Connection type Eff. operating current le Eff. operating voltage Ue DC Electrical version Load capacitance max. (at Ue) Operating voltage UB max. DC [V] Operating voltage UB min. DC [V] Rated insulation voltage Ui Ripple max. (% of Ue) Sensitivity Switching freq. f max. (at Ue) Switching function Switching output Voltage drop static max.

Mechanical attributes

Ambient temperature Ta max. Ambient temperature Ta min. Cable diameter D max Cable jacket material Cable length L [m] Conductor cross-section Cover material Depth

CE IEC 60947-5-2 IP67/akt. Fläche: IP68 10bar Yes Yes Yes 1 nut and 1 o-ring 10x2 Level Sensor Yes 135 a

media-dependent adjustable

Cable 50 mA 24 0 V DC. direct current 10.000 µF 30 0 V 10.0 V 75 V DC 10 % media-dependent adjustable 5 Hz NO/NC codable PNP/NPN 2.0 V

105 °C -5 °C 4.6 mm PUR 2.00 m 0.34 mm² PA 62.5 mm

CE

Diameter d1 Housing material	M12x1.0 PEEK
Mech. installation condition	Non-flush
Number of conductors	3
Sensing face material	PEEK
Storage temperature max.	+80 °C
Storage temperature min.	-25 °C
Thread (A)	M12x1
Tightening torque	1.5 Nm

Remarks

NO/NC function depends on the polarity. Standard applications for water based media:

The microLEVEL in Smart Level FSA-Technology have been adjusted in the factory for most applications. With this setting the Smart Level Sensors are suitable for detecting water based media without any further adjustment. The setting compensates within wide limits for foaming, condensation and product filming.

Specialized applications:

Sensors in Smart Level FSA-Technology can also be used with water based media in until now unsolvedand critical applications. For this purpose, the factory setting can be altered by the user. Adjustment instructions are supplied with the sensor. The push-pull switching outputs must not be connected in parallel.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

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For definitions of terms, see main catalog Subject to change

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