Capacitive Sensor

BCS M18VVN-PSCFAG-S49G
BCS008T

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1) Active surface   2) Housing   3) Top cover   4) Pot   5) LED function indicator

- **Level Sensor**
- **PNP**
- **Normally open (NO)**
- **nichtbündig**
- **Connector, M08x1-S49**

- **media-dependent adjustable**

CE

IND. CONT. EQ. 81U2
for use in the secondary of
a class 2 source of supply

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General attributes

Approvals / Conformity	CE
	cULus
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP66/IP64 on connector output
Polarity reversal protected	Yes
Scope of delivery	2 nuts
Series	Level Sensor
Short circuit protected	Yes

Electrical attributes

Connection type	Connector
Eff. operating current Ie	300 mA
Electrical version	DC, direct current
Operating voltage UB max. DC [V]	35.0 V
Operating voltage UB min. DC [V]	10.0 V
Rated insulation voltage Ui	75 V DC
Ripple max. (% of Ue)	10 %
Sensitivity	media-dependent adjustable
Switching freq. f max. (at Ue)	2 Hz
Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	1.8 V

Mechanical attributes

Ambient temperature Ta max.	60 °C
Ambient temperature Ta min.	-10 °C
Connector type	M08x1-S49
Cover material	PVC
Diameter d1	M18x1.0
Housing material	PVC
Mech. installation condition	nichtbündig
Mounting length	49.0 mm
Sensing face material	PVC
Tightening torque	1 Nm

Additional text

Application notes for water based media:

The Smart Level Sensors have been adjusted in the factory

for standard applications. With thissetting, the Smart Level

Sensors are suitable for detecting water based liquids through

glass or plastic walls without any further adjustment.

The factory setting can automatically mask out glass or plastic

walls(approx. 0.5 mm to 6 mm), and compensates within wide

limits for foam, moisture and material build up to the inside

and outside of the tank concerned.

Specialized applications:

The Smart Level Sensors can also be used with water based

liquids in hitherto insoluble and critical applications, e.g.

with glass or plastic walls thicker than 6 mm. For this purpose,

the factory setting can be altered by the user.

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