



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

- Level Sensor
- NPN
- Normally closed (NC)
- nichtbündig

- Cable with connector, PUR, 0.30 m M08x1-S49
- media-dependent adjustable



General attributes

Approvals / Conformity	CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67/akt. Fläche: IP68 10bar
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	Yes
Scope of delivery	1 nut and 1 o-ring 10x2
Series	Level Sensor
Short circuit protected	Yes

Connector type	M08x1-S49
Cover material	PA
Depth	62.5 mm
Diameter d1	M12x1.0
Housing material	PEEK
Mech. installation condition	nichtbündig
Sensing face material	PEEK
Storage temperature max.	+80 °C
Storage temperature min.	-25 °C
Thread (A)	M12x1
Tightening torque	1.5 Nm

Electrical attributes

Connection type	Cable with connector
Eff. operating current I _e	50 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	10.000 µF
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	10.0 V
Rated insulation voltage U _i	75 V DC
Ripple max. (% of U _e)	10 %
Sensitivity	media-dependent adjustable
Switching freq. f max. (at U _e)	5 Hz
Switching function	Normally closed (NC)
Switching output	NPN
Voltage drop static max.	2.0 V

Additional text

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 unsolved and 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.

Mechanical attributes

Ambient temperature T _a max.	105 °C
Ambient temperature T _a min.	-5 °C
Cable diameter D max.	4.7 mm
Cable jacket material	PUR
Cable length L [m]	0.30 m

