



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

- media-dependent adjustable



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

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

Diameter d1
Housing material
Mech. installation condition
Number of conductors
Sensing face material
Storage temperature max.
Storage temperature min.
Thread (A)
Tightening torque

M12x1.0
PEEK
Non-flush
3
PEEK
+80 °C
-25 °C
M12x1
1.5 Nm

Remarks

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

Electrical attributes

Connection type
Eff. operating current Ie
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.

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

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.

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.

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

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

