



Application

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating principle | IMN level switches are used for the detection and control of one or more level points in liquids, whether conductive or not. They can be used in many types of tanks, cisterns, tanks. |
| Application | <ul style="list-style-type: none"> - For the detection of a single level point in liquids. - Used in filling, emptying, overflow alarm, etc. |

Constructive features

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|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Process connection | Thread 1/2" NPT |
| Body material | Satinless steel AISI304L (1.4301) |
| Operating temperature | -30 .. +125 °C |
| Protection | <ul style="list-style-type: none"> - IP68 in the submerged part - IP67 on the outside |

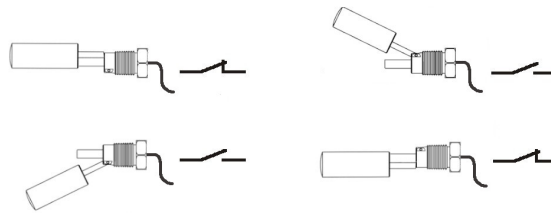
Float

| | |
|--------------------|-----------------------------------|
| Material | Satinless steel AISI304L (1.4301) |
| Operating pressure | 5 kg/cm ² |
| Density | 0,7 g/cm ³ |
| Dimensions | Ø17 x 56 mm |

Electrical data

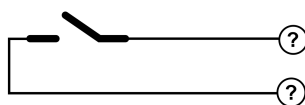
| | |
|---------------------------|------------------------------------------------------------------------------------------------|
| Contact type | Reed switch, normally opened. By reversing the float position, the contact can be NO or NC. |
| Max contact power | 10 W |
| Max switch voltage | 230 VAC/VDC |
| Min break down voltage | 150 VCC |
| Max switch current | DC 0.5A |
| Max carry current | 1 A |
| Max contact resistance | 100 mohm |
| Min insulation resistance | 109 ohm |

Situation

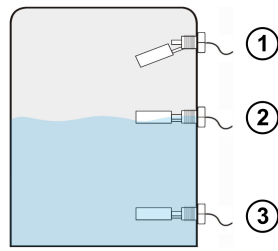


Electrical wiring

| | |
|--------------|--------------------------------|
| Type | By two cables (UL1007 / 22AWG) |
| Cable length | 300 mm |
| Connection | |

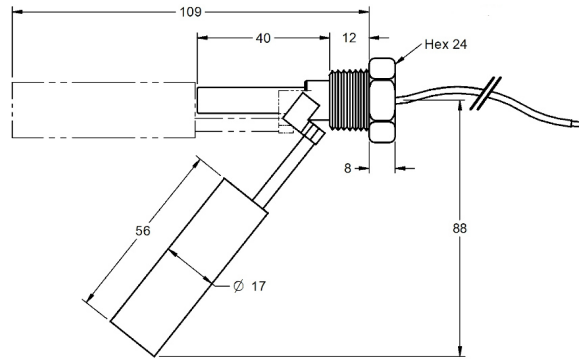


Example of installation



- 1 - Maximum level alarm
- 2 - Maximum level
- 3 - Minimum level

Dimensions



Installation tips

- Shock can alter the characteristics of the sensor.
- Excessive mounting tilt can cause malfunction.
- Vibrations or ripples can cause an unexpected actuation of the contact.
- Use the load appropriate to the load capacity of the contact.
- Keep the sensor away from magnetic fields to avoid false contact operations.