

2282 Guided Float Switch



The Guided Float Switch 2282 is designed for economical control of liquids in tanks. The switch is remarkable for its maintenance-free compact design. The reed contacts have high switch capacity.

The reed contact in the sensor body is switched with a magnet. The switching function (N/O contact and N/C contact) is determined by the installation position. The function can be changed by simply turning 180°.

Function

The 2282 level switch is specially suited for simple, mechanical monitoring of highest and lowest fill levels. Its compact construction allows it to be installed into very small tanks.

With its housing made of PP or PVDF, the 2282 is especially resistant to a number of chemicals.



Features

- Optimized chemical compatibility
- Very compact design
- PP and PVDF version available
- For small tanks

CE RoHS

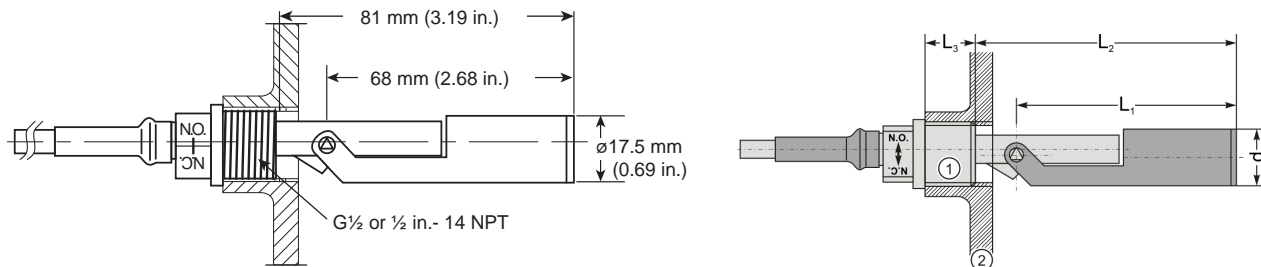
Applications

- Cooling Water
- Demineralized Water
- Water/Glycol Solutions
- Chemicals
- Especially fit for small tanks

Specifications

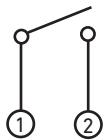
| General | |
|--------------------------|--|
| Type | 2282-Y-YY-Y |
| Environmental | |
| Max. Temperature | -65 °C to +100 °C (-85 °F to +212 °F) |
| Max. Pressure | 1 MPa (10 bar) 145 psi |
| Medium Density | >0.6 g/cm ³ |
| Enclosure | |
| Enclosure/Float material | PP or PVDF |
| Cable Material | PVC |
| Protection Rating | IP 68 |
| Process Connection | ½ in. BSP, NPT |
| Electrical | |
| Output | Dry reed contact |
| Contact Resistance | Max. 120 mΩ |
| Maximum Nominal Voltage | 230 V AC/DC |
| Maximum Nominal Current | 2 A / 40 VA |
| Cable Type | AWG 20, 2-wire, PVC, 1 m |
| Switching Contact | N/O or N/C depending on the installation |
| Standard and Approvals | |
| General Approvals | CE, RoHS |

Dimensions



Wiring

Connection Configuration

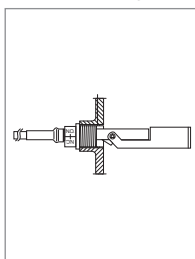


| No. | Data |
|-----|-------|
| 1 | Brown |
| 2 | Black |

| No. | Data |
|-----|---------------------|
| L1 | 68 mm |
| L2 | 81 mm |
| L3 | 15 mm |
| d | Ø 17,5 mm |
| 1 | G ½" or ½" - 14 NPT |
| 2 | Container Wall |

Max. 230 V 2A contact rating

Ordering Information



| Mfr. Part No. | Code | Description |
|--------------------------|--------------------|---------------------------------------|
| Versions with BSP Thread | | |
| 2282-P-6CB | 159 300 261 | PP Housing, cable, ½ in. BSP thread |
| 2282-V-6CB | 159 300 263 | PVDF Housing, cable, ½ in. BSP thread |
| Versions with NPT Thread | | |
| 2282-P-6CN | 159 300 265 | PP Housing, cable, ½ in. NPT thread |
| 2282-V-6CN | 159 300 267 | PVDF Housing, cable, ½ in. NPT thread |