

Float switches

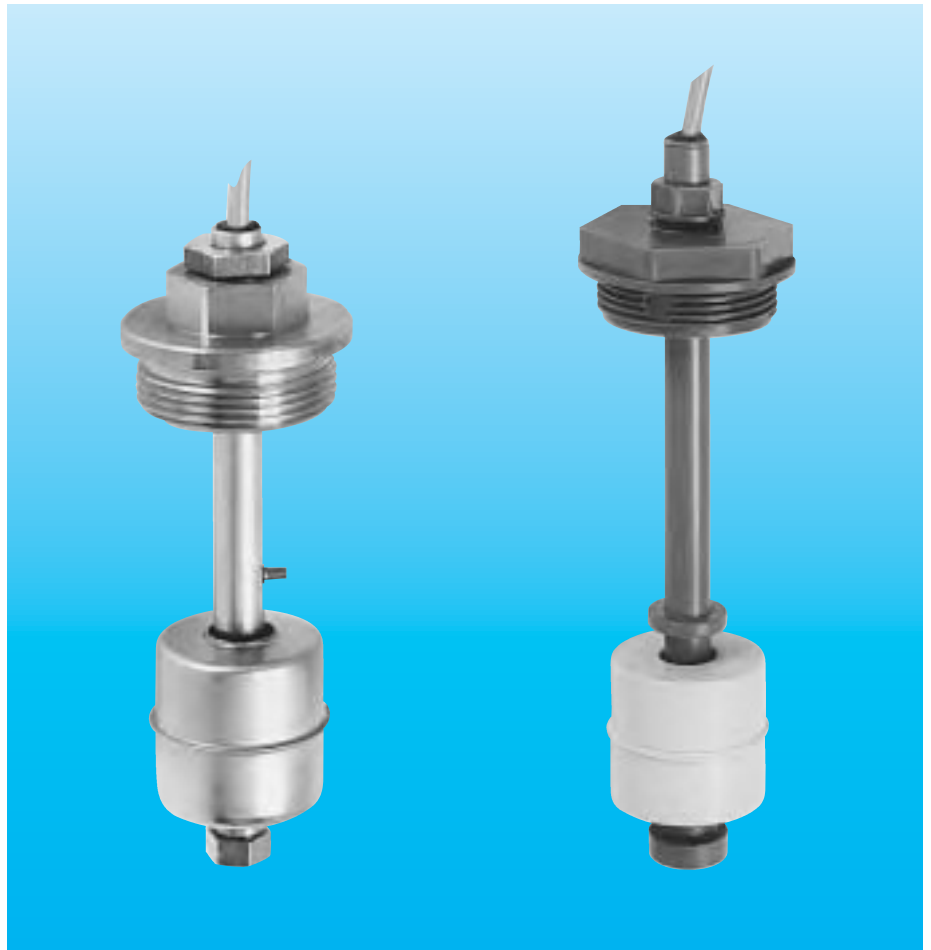
Type 233 - 293

Product advantages

- simple assembly
- long electrical lifetime due to implementation of dry-reed contacts
- high operating safety due to ventilation duct between slide tube and float

Characteristics

- system of protection IP 64 (IP 68)
- installation in the cover of the container (from the top) or bottom of the container (from the bottom) possible
- multiple level heights can be monitored with one float
- alternatively normally open/normally closed contact function or change-over contact



| Contact function with rising level | Order ID | | | | | | | | | | | | | |
|--|--------------------|---------------|---------------|-----------------|-----------------|------|-------------------|-----|--------|-----|--------|-----|--------|-----|
| | 233.00 | .00 | 243.00 | .00 | 253.00 | .00 | 263.00 | .00 | 273.00 | .00 | 283.00 | .00 | 293.00 | .00 |
| Normally open contact | 00 | 1 | 00 | 1 | 00 | 1 | 00 | 1 | 00 | 1 | 00 | 1 | 00 | 1 |
| Normally closed contact | 00 | 2 | 00 | 2 | 00 | 2 | 00 | 2 | 00 | 2 | 00 | 2 | 00 | 2 |
| Change-over contact | 00 | 3 | 00 | 3 | 00 | 3 | 00 | 3 | 00 | 3 | 00 | 3 | 00 | 3 |
| Components | Only upon request | | | Material | | | Only upon request | | | | | | | |
| Slide tube | PTFE | PVCHT | PVC | VA | PP | PVDF | MS | | | | | | | |
| Float | PTFE | PVCHT | PVC | VA | PP | PVDF | VA | | | | | | | |
| Screw connection | PTFE ⁴⁾ | PP | PVC | VA | PP | PVDF | MS | | | | | | | |
| Operational data of the standard model ¹⁾ | | | | | | | | | | | | | | |
| Working temperature Cont./temp. with PVC cable | — | 80 °C / 90 °C | 55 °C / 60 °C | 90 °C / 90 °C | 90 °C / 90 °C | — | 90 °C / 90 °C | | | | | | | |
| Working temperature Cont./temp. with silicone cable | — | 80 °C / 90 °C | 55 °C / 60 °C | 150 °C / 150 °C | 110 °C / 110 °C | — | 150 °C / 150 °C | | | | | | | |
| Max. admis. working pres. | — | 3 bar | 3 bar | 3 bar | 3 bar | — | 3 bar | | | | | | | |
| Screw connection fixed | — | 3 bar | 3 bar | 20 bar | 3 bar | — | 20 bar | | | | | | | |

¹⁾ The data relate to the ambient temperature T = 20°C.

Switching capacity

Normally open contact / normally closed contact / change-over contact
230 V = / ~
1.0 A 60 VA
Higher switching capacity upon request



Switching points (number)

1 normally open contact / normally closed contact / change-over contact with standard length upon request: max. 4 normally open contacts / normally closed contacts or max. 3 change-over contacts

Switching behaviour

All functions are bistable.

Other designs upon request.

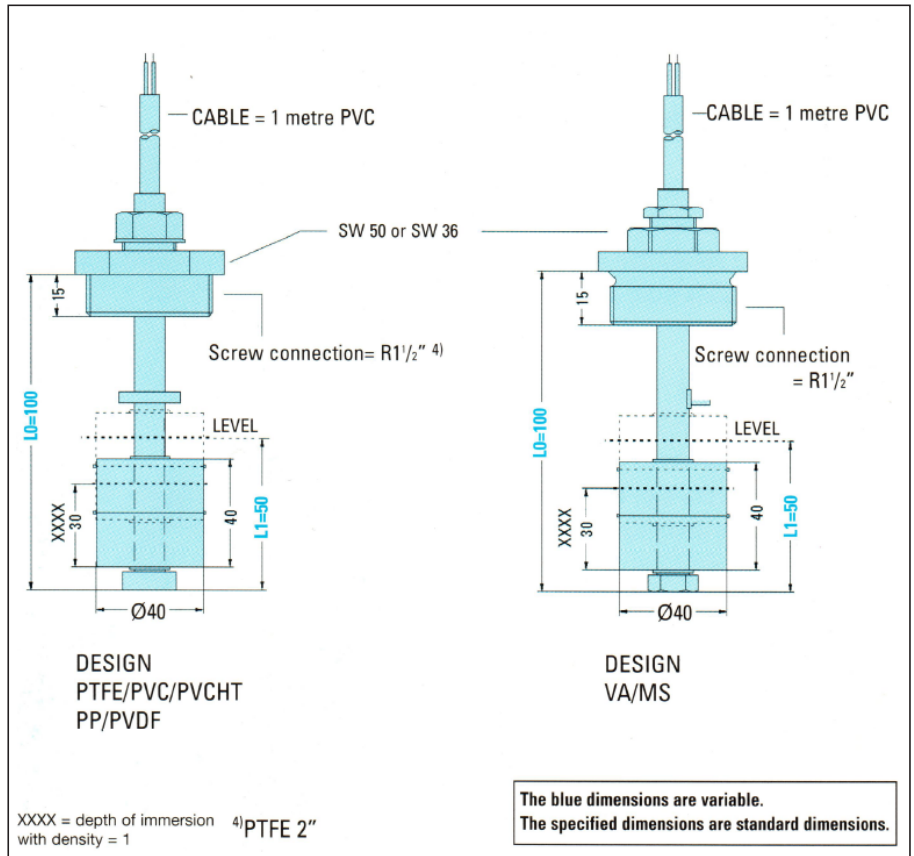
⁴⁾ Only 2" screw connection possible

Order Fax

The switch can be designed for up to 4 levels. The minimum distances are type dependent and are specifically set by the manufacturer. The desired levels can be indicated in the following list.

Please copy the order form, complete the list below with the desired dimensions, and then use the copy as order form.

Float switches Type 233 - 293



- L₀ = mm
- L₁ = mm
- L₂ = mm
- L₃ = mm
- L₄ = mm

| Type number | | | |
|------------------------|--|---|-----|
| Connecting head/flange | | | |
| Float | | | |
| Cable silicone/PVC | | Length in metres: | |
| Working temperature | | °C: | |
| Working pressure | | bar: | |
| Switching capacity | V: | A: | VA: |
| Medium | | | |
| Specific gravity | | g/cm ³ : | |
| Order quantity | | Units: | |
| Installation | from the top: <input type="checkbox"/> | from the bottom: <input type="checkbox"/> | |

Date

Ordered by

Company

Street

City

Signature