



# Technical Data

## Float Switch

### Electrical data

Reed contact	max. switching voltage	250 V
	max. switching current	0,5 A
	max. switching capacity	10 VA
	mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element		1 normally open contact, rising level 2 normally open contact, falling level
Direction category		AC-21A and DC-21A acc to DIN VDE 0660 T107
Standard		acc to DIN VDE 0660 T200

### Mechanical data

Screw connection material	PVC	
Hexagon nut material	PVC	
Switching tube material	X6CrNiMoTi17 12 2 (1.4571)	
Float material	NBR	
	-density	about 0,7 g/cm <sup>3</sup> ±10%
	-depth of immersion	17 mm ±2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip Screw material	X35CrMo17 (1.4122)	
Gasket material	NBR	
Ambient air temperature	-5°C to +60°C	
Liquid temperature	-5°C to +60°C	
Connection	connector M12x1, pole 1,2,3 and 4 engaged	
Protection type	IP 65 acc to DIN VDE 0470 T1	
Max. pressure	5 bar	

### General details

Repeatability of switching points is ±0,05mm based on the same geometrical conditions as of a switch device.

The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.

The tolerance of the switching points is ±2mm

Pay attention to the contact protection, when switching inductive loads. Maximum data must not be exceeded!