

# Stainless Float Switch



RoHS  
Compliant



## Features

- Stainless Steel Housing
- Rugged and Durable
- Mains Voltage Variant
- Suitable for Food Contact
- Extended Temperature Range

## Electrical Characteristics @ 25°C

Parameter	Range	UOM
Contact Form	Normally Open (Form A)	-
Contact Rating Max.	50	W/VA
Switching Voltage Max.	200	V DC
	250	V AC
Switching Current Max.	1.5	A
Carry Current Max.	2	A
Breakdown Voltage Min.	400	V DC
Total Resistance Max.	150	mΩ

## Environmental Characteristics

Parameter	Range	UOM
Operating Temperature	-40 to +125	°C
Storage Temperature	-40 to +125	°C

## Mechanical Characteristics

Parameter	Range	UOM
Density of Float Typical	0.7	g / cm <sup>3</sup>
Recommended minimum Gravity of Medium	Density of Float +20%	g / cm <sup>3</sup>

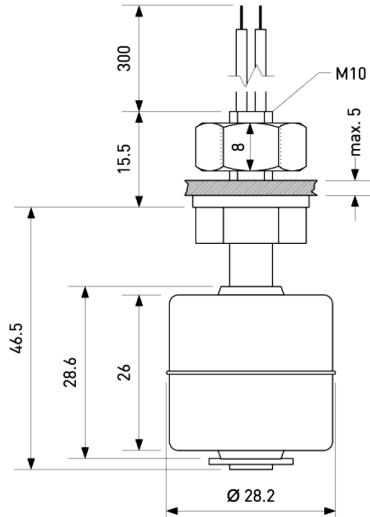
## Material Informations

Parameter	Material	Colour
Housing	Stainless Steel 304, Mechanically Polished	-
Cable	UL 1332, AWG 24, 4mm Stripped & Tinned	Black
Nuts	Stainless Steel 304, M10, 1pc Preassembled	-
Float	Stainless Steel 304, Mechanically Polished	-
Potting	PU / Epoxy	Black
Sealing Ring	Silicone	White

# Stainless Float Switch

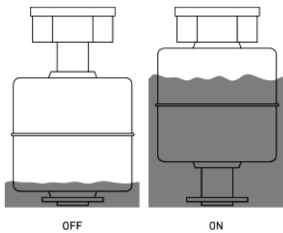


## Dimensions



Dimensions : Millimetres

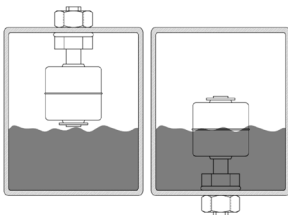
## Operation View



### Remarks

When mounted near ferromagnetic parts switching distance of MCPLS-045A-6VAI may vary. Electromagnetical influences and magnetic fields may change the switching behaviour of the Level Sensor.

## Mounting



When mounted stem up, operating functions are reversed.

## Part Number Table

Description	Part Number
Float Switch, Vertical, SPST-NO, Stainless Steel, 250V AC, 28.2mm Diameter	MCPLS-045A-6VAI

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