

Stainless Float Switch



RoHS
Compliant



Features

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

Electrical Characteristics @ 25°C

Parameter	Range	UOM
Contact Form	Normally Open (Form A)	
Contact Rating Max.	10	W/VA
Switching Voltage Max.	200	V DC
	140	V AC
Switching Current Max.	1	A
Carry Current Max.	1.2	A
Breakdown Voltage Min.	240	V DC
Total Resistance Max.	180	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 ³
Recommended minimum Gravity of Medium	Density of Float +20%	g / cm ³

Material Informations

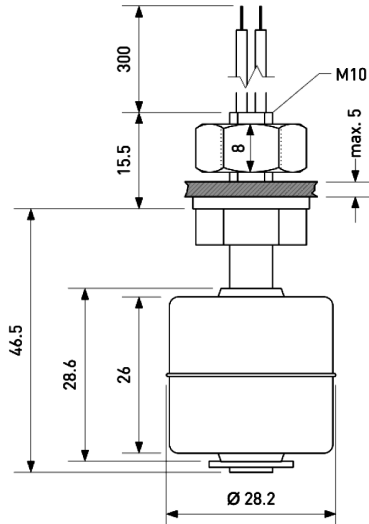
Parameter	Material	Colour
Housing	Stainless Steel 304, Mechanically Polished	-
Cable	UL 1332, AWG 24, 4mm Stripped & Tinned	Black
Nuts	Stainless Steel 304, M10, 1pc Preassembled	-
Float	Stainless Steel 304, Mechanically Polished	-
Potting	PU / Epoxy	Black
Sealing Ring	Silicone	White



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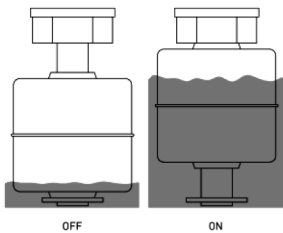


Dimensions



Dimensions : Millimetres

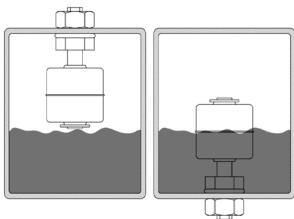
Operation View



Remarks

When mounted near ferromagnetic parts switching distance of PLS-045A-3VAI 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, 140V AC, 28.2mm Diameter	MCPLS-045A-3VAI

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