

SF122

series float level switch

Introduction

Magnetic float–level switch principle is the float which link to rod equipped with a constant magnetic field, because of the liquid level rise or fall, make the float internal generated magnetic field , thus triggered the reed switch which inner the rod working. Widely used in liquid level measurement, liquid level alarm and level security control field.



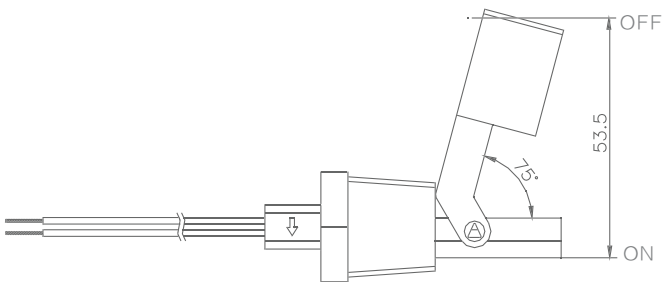
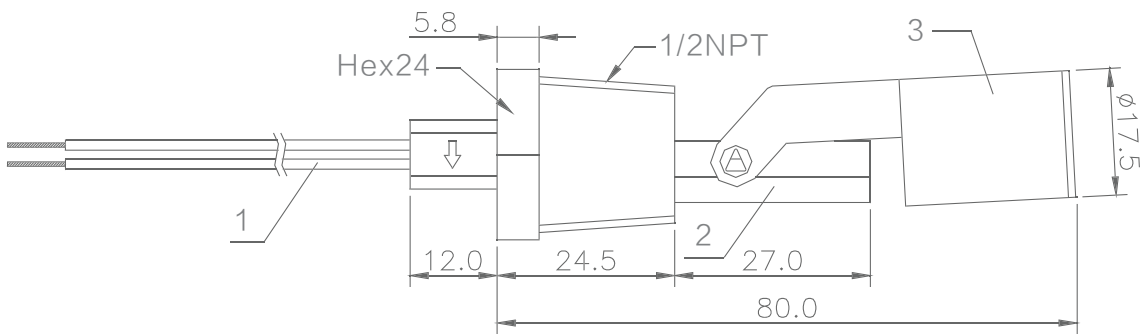
Features

- NC or NO type by rotating 180°
- Customer can defined activated range and connection
- enclosure material: engineering plastic
- External fast fitting

Application

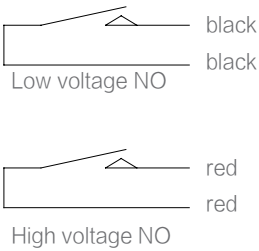
- Liquid level control
- water dispenser, humidifier
- Water cooler, coffee machine,
- Container level detection

Dimensions and Operaion Demonstration

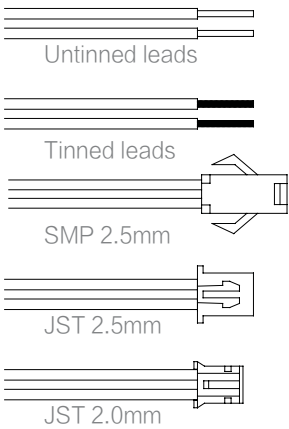


No.	Name	Specifications
1	Wire	UL 1007 22AWG red 800℃ 300V
2	Sheel	P.P.
3	Float	P.P.

Connection



Outlet



Electrical Parameter

Electrical Parameter			
Model	1	2	3
Switched Power(max)	10W	70W	5W
Switched Voltage (max) (DC)	200V	200V	175V
Switched Voltage (max) (AC)	140V	250V	125V
Switched Current (max) (DC)	500mA	1000mA	400mA
Switched Current (max) (AC)	500mA	1000mA	280mA
Breakdown Voltage(min)	250V DC	400V DC	200V DC
Carry Current (max)	1.0A	1.75A	0.5A
Contact Resistance (min)	200mΩ	200mΩ	200mΩ
Insulation Resistance (min)	10 ⁶ MΩ	10 ⁶ MΩ	10 ⁶ MΩ
Operating Temperature	-40℃~+80℃	-40℃~+80℃	-40℃~+80℃

Note: Above the wire color, model and outlet mode can be customized

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Products selection table

SF1	☐	☐	☐	☐	-	☐	☐	☐	☐	-	☐	☐	☐	☐	-	☐	☐	☐	☐	-	☐	☐	☐	☐	Selection description
Structure type	1																								Plastic enclosurevertical installed
	2																								Plastic enclosurehorizontal installation
	3																								Stainlesssteel enclosurevertical installed
	4																								Stainlesssteel enclosure horizontal installation
Size code		√																							Size code stream
Serial number			√	√																					01-99
Stroke length						√	√	√	√																Numbers, unit: mm
Float Type																				P					PP float
																				N					NBR float
																				S					Stainless steel float
Float code																					√	√			Float code
Others																							T		Thermal resistance

Example: SF12201 - 63 - K1H1 - N4P-Z
Horizontal installation type plastics enclosure level sensor , rob length 80mm, switch output , normally open type, 1 group output , installation Thread 1/2 NPT, standard PVC cable, F122 float.

