

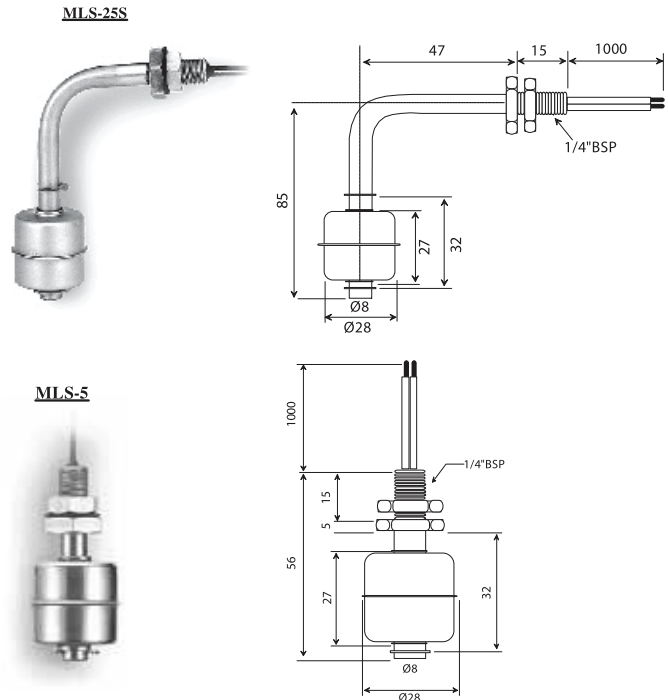
The stem of this liquid float switches contains a hermitically sealed reed switch. The float contains a permanent magnet. As the float rises or falls with the level of the liquid, the reed switch is activated by the magnet. The operation of the switch, normally open or normally closed, is easily changed by removing a retainer and inverting the float.

## Features

- Compact design
- Low Cost
- High Reliability and Long switch life.

## Application

- Marine Industry
- Power station equipment
- Automatic vending machine
- Food Industry
- Waste-water/pure water processing
- Small collection tanks



## Specification

Part Number	MLS-5 / MLS-25S
<b>Material: Steam Float Retainer</b>	316SS
<b>Operating Temperature</b>	-20 ~ 120°C
<b>Pressure Rating</b>	10 bar
<b>Switch Rating</b>	50VA / 240VAC
<b>Maximum Carry Current</b>	2.5A
<b>Liquid Specific Gravity Min.</b>	0.7
<b>Lead Wire</b>	PVC Wire, 1 Meter
<b>Pull-in Value (PI)</b>	20~60 AT
<b>Drop-out Value (PI)</b>	6min AT
<b>Contact resistance (CR)</b>	100 mΩ
<b>Breakdown voltage</b>	600 min (PI≥35)VDC
	500 min (PI 20 to 35)VDC
<b>Insulation resistance</b>	10 <sup>10</sup> minΩ
<b>Electrostatic capacitance</b>	0.5max pF
<b>Contact rating</b>	50W
	70VA
<b>Maximum switching voltage</b>	300VAC
	350VDC
<b>Maximum switching current</b>	DC0.7/AC0.5A

MT-F - Standard Type • MT-FH - Heavy Duty Type

### Common Specifications

- Aluminium terminal head
- All wetted parts 316SS
- Multiple floats
- Operating temperature -55°C -+150°C
- High current ratings

### MT-F (Standard)

- 1" table 'D' flange or 1" BSP plug
- Switching voltage: 250 VAC/200 VDC
- Switching current: 1 AMP AC/DC
- Switching power: 30W AC/DC
- Minimum voltage breakdown: 430 VDC

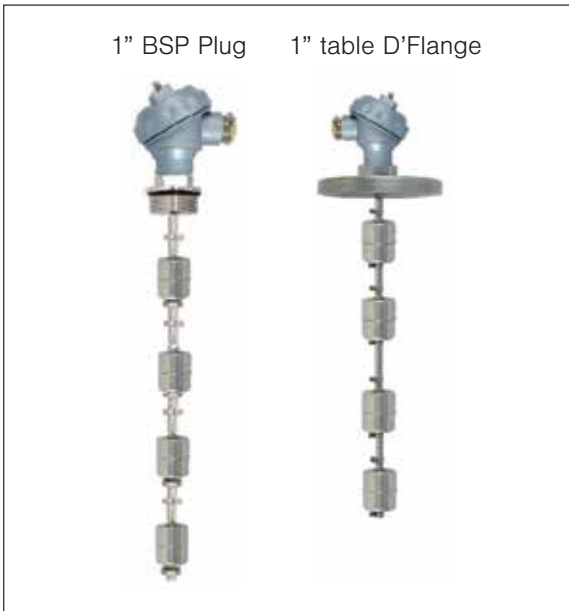
### MT-FH (Heavy Duty)

- 2" table 'D' flange or 2" BSP plug
- Switching voltage: 250 VAC/200 VDC
- Switching current: 2 AMPS AC/DC
- Switching power: 50W AC/DC
- Minimum voltage breakdown: 500 VDC

### Common options

- 316SS or plastic terminal head

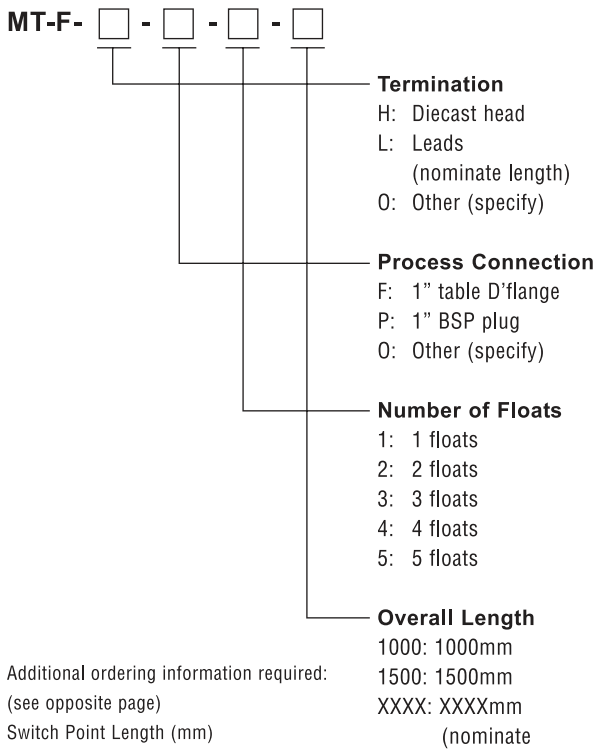
## MT-F Series



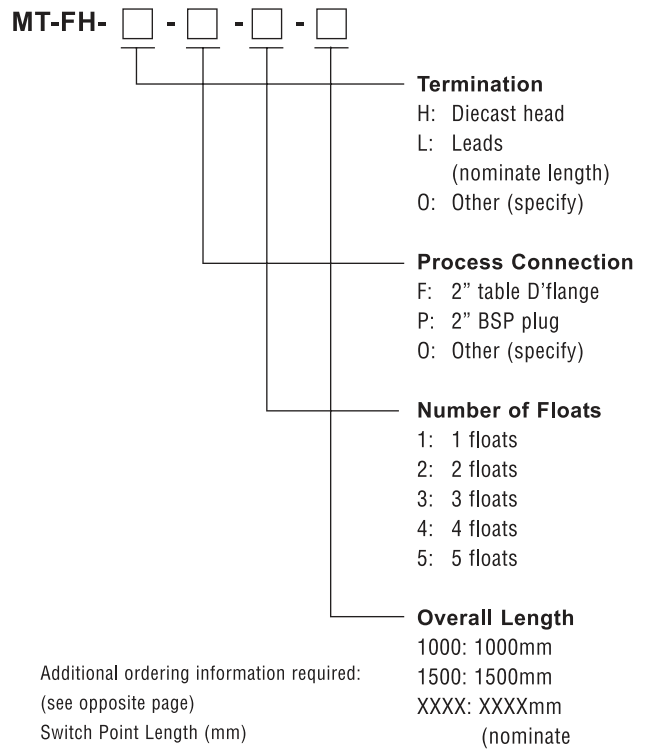
## MT-FH Series



**MT-F Series Ordering Information**

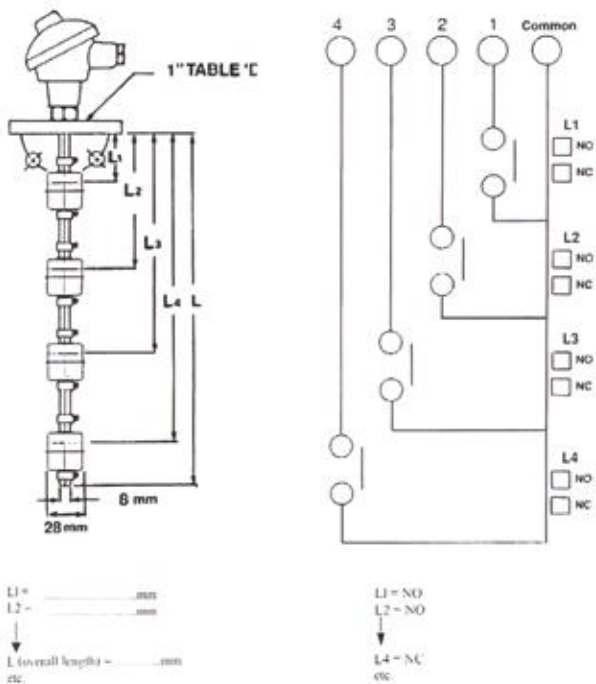


**MT-FH Series Ordering Information**



**MT-F Series Ordering Specifications**

- 1. Switch Point Length
- 2. Switch Operation (N.O or N.C)  
Other circuit configuration available on request



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