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# EXTENDED BODY HORIZONTAL ELECTRIC LEVEL FLOAT SWITCH

## Model MS8F

### FEATURES:

- Electrical Contacts are Magnetically Isolated from Process
- Stainless Steel Float for Low Pressure / High Temperature Applications
- Mounting Via 1" NPT Process Connection
- Optional Flange Mounting Adapters Available
- Hermetically Sealed SPDT Switch (NO / NC Contact)
- Vibration Resistant
- Switch is Totally Enclosed within Stainless Steel Housing (fly wires)
- Hex Shaped Housing & SPDT Contacts Allow for Easy Installation
- Designed & Constructed to FM, UL, NEMA & ANSI/ISA Guidelines
- Two Standard QuikShip Models with Various Custom Designs Available



### DESCRIPTION:

The MS8F is a single-pole, double-throw electric switch capable of sensing high or low liquid level inside a process vessel. This switch has a stainless steel housing and is hermetically sealed and requires no maintenance. The MS8F can provide either a normally open or normally closed dry contact to activate external devices such as alarms or solenoids. Variations in process fluid specific gravity have minimal effect on the level measured because of the small size of the integral stainless steel float.

The standard unit is installed through a 1" NPT fitting and has a float constructed of 316 SS that will operate in specific gravities down to 0.4 and pressures to 600 psig at 300°F. Due to the length of the float, this switch must have 4" of vertical clearance for the unit to operate. This switch is available with various mounting options and insertion lengths to 24 inches/610mm.

### SPECIFICATIONS:

Switch Type	Magnetically actuated, hermetically sealed bistable switch, SPDT, Form C
Contact Material	Rhodium Alloy
Switch Action	Break before make
Maximum Deadband	AC Ratings: 250 VAC, 1 Amp, 250 VA, resistive DC Rating: 250 VDC, 1 Amp, 250 W, resistive (if higher contact ratings are required, see IR10 & PP10 Data Sheets)
Process Temperature	-40 to 302°F / -40 to 150°C
Maximum Pressure	600 psig @ 300°F / 41 bar @ 150°C
Connections	1" MNPT Process, 1/2" FNPT Conduit & AWG 20 Wiring Harness (18 inch); MS8F Housing is 1 3/4" Hex for tightening into process connection.
Insertion Length	10 in. / 254 mm Standard; Optional lengths to 24 in. / 610 mm available
Materials	316 SS Wetted Parts
Specific Gravity	0.4 Minimum (Clean Fluids)
Approvals	<b>Factory Mutual (Pending)</b> <b>CSA (Pending)</b>