SH-3 SERIES

NPT MOUNT SPDT SWITCH



The SH-3 series are NPT mount horizontal float operated level switches.

This design uses a pivoted float arm with a magnet on the inboard end. This magnet when moved by the rising float arm interacts with another magnet in the switch enclosure to give a snap action operation.

Two switching options are available using either microswitches or reed switches, for different switching power and operating temperature ranges.

Available with either 1 1/2"NPT or 2"NPT thread mounting.

Features

- 1 1/2"NPT or 2"NPT thread external mount
- SS 316L float material
- SS 304 other wetted parts material
- Available in direct switching version for use at up to 100ºC or low power switching at up to 200ºC
- Aluminium enclosure with screw on lid and cable gland

SPECIFICATIONS

Technical

Mounting Style	External via screw thread
Float Material	316L grade SS
Maximum Temperature	100ºC / 200ºC
Maximum Pressure	20 bar or 25 bar
Float SG	0.65 or 0.55
Minimum Fluid SG	0.70 or 0.60
Mounting	1/2"NPT or 2"NPT
Other Wetted Parts	SS 304
Cable Entry	½"BSP
Enclosure Rating	IP65
Sealing Gasket	Not applicable

Electrical

		SH-3052/SH-3151	SH-3052RH/SH-3151RH
Contact Form		SPDT	SPDT
Switching Voltage AC Max	V	250	400
Switching Voltage DC Max	V	120	400
Switching Current Max	A	5	1

All electrical ratings are for resistive loads only. RH version should be limited to maximum power 60VA.

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STANDARD PARTS

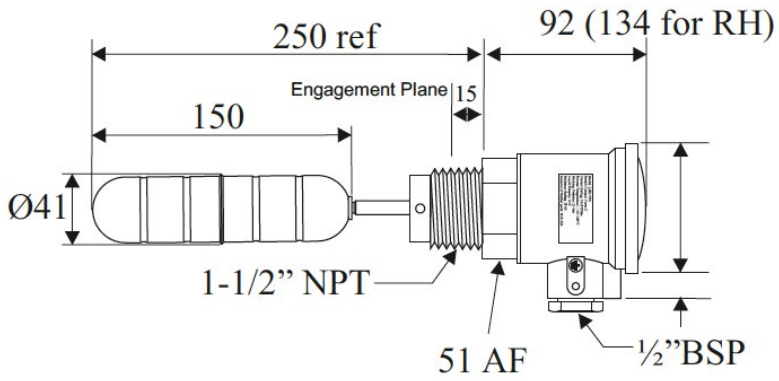
	Material	Max Current	Temperature Range	Min SG	Max Pressure
SH-3052	SS 316L/304	5	0 - 100°C	0.70	20 bar
SH-3052RH	SS 316L/304	1	0 - 200°C	0.70	20 bar
SH-3151	SS 316L/304	5	0 - 100°C	0.60	25 bar
SH-3151RH	SS 316L/304	1	0 - 200°C	0.60	25 bar

Custom versions can be made for particular applications. Please contact Sensata with your requirements.

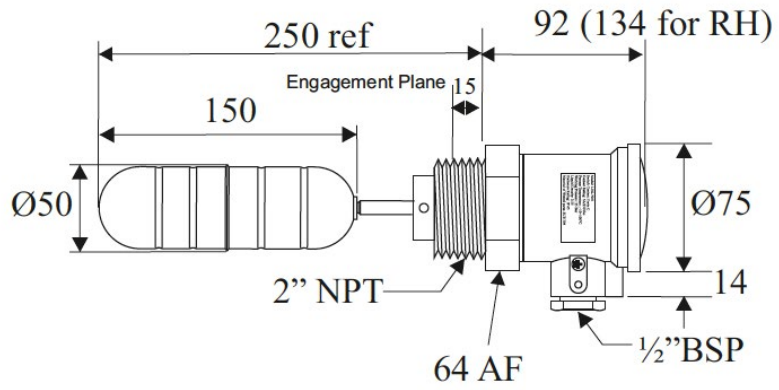
DIMENSIONS

All dimensions are in millimeters.

SH-3052



SH-3151



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