

## 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 100°C or low power switching at up to 200°C
- Aluminium enclosure with screw on lid and cable gland

## SPECIFICATIONS

### Technical

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

### Electrical

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

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

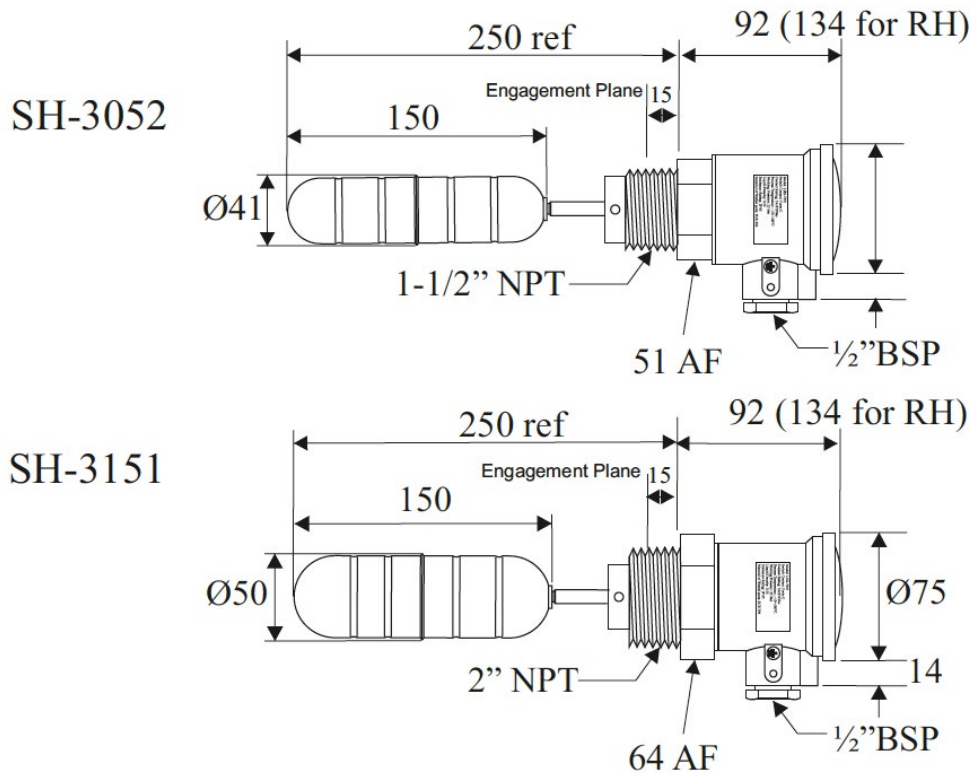
## STANDARD PARTS

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



Made in the UK

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