

## | RSF150 SERIES

### COMPACT INTERNAL FITTING VERTICAL SWITCH



The RSF150 series are compact vertically mounted devices with a single switch point. Mounting is either from the top or bottom of a tank from the inside, so requires access to the inside of the tank.

These have M12 circular connectors for electrical connection.

Cables are available for use with M12 connectors.

Typical applications include vending machines, printing systems and chemical dosing equipment.

These can be manufactured in a variety of plastics, with a choice of gasket materials, to suit most commonly used liquids.

The switch action may be reversed by removing the float, inverting it, then refitting to the stem.

#### Features

- Electrical connection via M12 connector
- Available in Nylon, Polypropylene, PPS & PVDF
- 25VA & 100VA versions
- Many variants are UL recognised components File No. E171218
- WRAS & NSF approved versions



#### SPECIFICATIONS

#### Technical

	RSF153	RSF154	RSF158	RSF156	RSF157
<b>Material</b>	Nylon	Polypropylene WRAS approved	Polypropylene UL approved	Polyphenylene Sulphide (PPS)	Polyvinylidene Fluoride (PVDF)
<b>Colour</b>	Black	Opaque	White	Grey	Green
<b>Temp. Range</b> °C °F	-20/+75	-20/+100	-20/+100	-10/+105	-10/+105
	-4/+167	-4/+212	-4/+212	+14/+221	+14/+221
<b>Min. Fluid SG</b>	0.8	0.65	0.8	0.85	0.85
<b>Must Close Level (SG=1)</b>	11.5mm	15mm	15mm	9.5mm	9.5mm
<b>Must Open Level (SG=1)</b>	22.5mm	26mm	26mm	20.5mm	20.5mm

#### Electrical

		25W (Y code)	100W (H code)
<b>Contact Form</b>		N/O (N/C)	N/O (N/C)
<b>Switching Power Max</b>	VA	25	100
<b>Switching Voltage AC Max</b>	V	240	300
<b>Switching Voltage DC Max</b>	V	120	300
<b>Switching Current Max</b>	A	0.6	1

All ratings are for resistive load only.

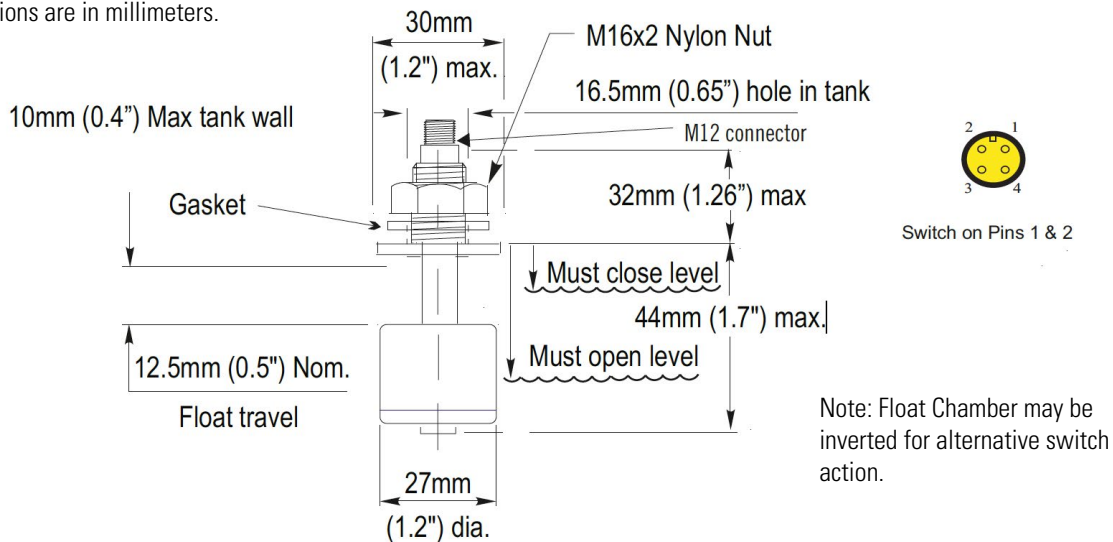
	Material	Temp Range	Max Power	Connection	Gasket	Approvals
<b>RSF153HFP</b>	Nylon	-20°C to +75°C	100VA	M12 circular	Nitrile	WRAS
<b>RSF153YFP</b>	Nylon	-20°C to +75°C	25VA	M12 circular	Nitrile	WRAS
<b>RSF154HFP</b>	Polypropylene	-20°C to +100°C	100VA	M12 circular	Nitrile	WRAS & NSF
<b>RSF154YFP</b>	Polypropylene	-20°C to +100°C	25VA	M12 circular	Nitrile	WRAS & NSF
<b>RSF156HFP</b>	PPS	-10°C to +105°C	100VA	M12 circular	Nitrile	WRAS, UL & NSF
<b>RSF156YFP</b>	PPS	-10°C to +105°C	25VA	M12 circular	Nitrile	WRAS, UL & NSF
<b>RSF157HFP</b>	PVDF	-10°C to +105°C	100VA	M12 circular	Nitrile	UL & NSF
<b>RSF157YFP</b>	PVDF	-10°C to +105°C	25VA	M12 circular	Nitrile	UL & NSF
<b>RSF157HGP</b>	PVDF	-10°C to +105°C	100VA	M12 circular	Viton	UL & NSF
<b>RSF157YGP</b>	PVDF	-10°C to +105°C	25VA	M12 circular	Viton	UL & NSF
<b>RSF158HFP</b>	PP (UL)	-20°C to +100°C	100VA	M12 circular	Nitrile	UL
<b>RSF158YFP</b>	PP (UL)	-20°C to +100°C	25VA	M12 circular	Nitrile	UL

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



## DIMENSIONS

All dimensions are in millimeters.



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