

RSF50 Series

Compact Internal Fitting Vertical Float Switch



- **Compact design**
- **Available in Nylon, Polypropylene, PPS & PVDF**
- **25VA & 100VA versions**
- **Many variants are UL recognised components File No. E171218**
- **WRAS and NSF approved versions**
- **1/8" NPT and M12 thread options**

RSF50 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.

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.

Available with M12 x 1.75 or 1/8"NPT mounting threads.

Cynergy3 Components Ltd.
7 Cobham Road
Ferndown Industrial Estate
Wimborne, Dorset BH21 7PE
Telephone +44 (0) 1202 897969
Email:sales@cynergy3.com

Technical Specification	RSF53	RSF54	RSF58	RSF56	RSF57
Material	Nylon	Polypropylene WRAS approved	Polypropylene UL approved	Polyphenylene Sulphide (PPS)	Polyvinylidene Fluoride (PVDF)
Colour	Black	Opaque	White	Grey	Green
Temp. Range °C	-20 / +75	-20 / +100	-20 / +100	-10 / +120 *	-10 / +105
°F	-4 / +167	-4 / +212	-4 / +212	+14 / +248 *	-14 / +221
Min. Fluid SG	0.8	0.65	0.65	0.85	0.85
Must close level (SG=1)	11.5mm	15mm	15mm	9.5mm	9.5mm
Must open level (SG=1)	22.5mm	26mm	26mm	20.5mm	20.5mm

* Maximum temperature requires ETFE cable to be specified, otherwise +105°C

Electrical Specification	25W (Y code)	100W (H code)
Contact Form	N/O (N/C)	N/O (N/C)
Switching Power Max	VA	25
Switching Voltage AC Max	V	240
Switching Voltage DC Max	V	120
Switching Current Max	A	0.6

All ratings are for resistive load only.

RS Stock No.	Standard Parts	Material	Temp Range	Max Power	Mounting Thread	Leadouts	Gasket	Approvals
725-9883	RSF53H100RC	Nylon	-20°C to +75°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS
725-9874	RSF53H100R1/8	Nylon	-20°C to +75°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS
845-982	RSF53V100MC	Nylon	-20°C to +75°C	3VA	M12	100cm 3-core 7/0.2	Nitrile	WRAS
331-017	RSF53Y100JC	Nylon	-20°C to +75°C	25VA	M12	100cm 2-core 7/0.2	Nitrile	WRAS
756-4261	RSF53Y100J1/8	Nylon	-20°C to +75°C	25VA	1/8"NPT	100cm 2-core 7/0.2	N/A	WRAS
338-9766	RSF53Y100RC	Nylon	-20°C to +75°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS
	RSF53Y100R1/8	Nylon	-20°C to +75°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS
	RSF54H100RC	PP	-20°C to +100°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS & NSF
725-9886	RSF54H100R1/8	PP	-20°C to +100°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS & NSF
338-9772	RSF54Y100RC	PP	-20°C to +100°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS & NSF
	RSF54Y100R1/8	PP	-20°C to +100°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS & NSF
725-9899	RSF56H050TB	PPS	-10°C to +120°C	100VA	M12	50cm ETFE 19/0.2	Viton	UL & NSF
725-9896	RSF56H100RC	PPS	-10°C to +105°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS, UL&NSF
725-9892	RSF56H100R1/8	PPS	-10°C to +105°C	100VA	1/8"NPT	100cm PVC 16/0.2	N/A	WRAS, UL&NSF
288-9344	RSF56Y050TB	PPS	-10°C to +120°C	25VA	M12	50cm ETFE 19/0.2	Viton	UL & NSF
	RSD56Y050T1/8	PPS	-10°C to +120°C	25VA	1/8"NPT	50cm ETFE 19/0.2	N/A	WRAS, UL&NSF
338-9788	RSF56Y100RB	PPS	-10°C to +120°C	25VA	M12	100cm ETFE 19/0.2	Viton	UL & NSF
	RSF56Y100RC	PPS	-10°C to +105°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS, UL&NSF
	RSF56Y100R1/8	PPS	-10°C to +105°C	25VA	1/8"NPT	100cm PVC 16/0.2	N/A	WRAS, UL&NSF
1242573	RSF57H100GC	PVDF	-10°C to +105°C	100VA	M12	100cm PTFE7/0.2	Nitrile	UL & NSF
1242571	RSF57H100G1/8	PVDF	-10°C to +105°C	100VA	1/8" NPT	100cm PTFE7/0.2	N/A	UL & NSF
1242572	RSF57Y100GC	PVDF	-10°C to +105°C	25VA	M12	100cm PTFE7/0.2	Nitrile	UL & NSF
1242570	RSF57Y100G1/8	PVDF	-10°C to +105°C	25VA	1/8" NPT	100cm PTFE7/0.2	N/A	UL & NSF
1242575	RSF57H100GB	PVDF	-10°C to +105°C	100VA	M12	100cm PTFE7/0.2	Viton	UL & NSF
1242574	RSF57Y100GB	PVDF	-10°C to +105°C	25VA	M12	100cm PTFE7/0.2	Viton	UL & NSF
	RSF58H100RC	PP (UL)	-20°C to +100°C	100VA	M12	100cm PVC 16/0.2	Nitrile	UL
756-4267	RSF58H100R1/8	PP(UL)	-20°C to +100°C	100VA	1/8"NPT	100cm PVC 16/0.2	N/A	UL
725-9940	RSF58Y100RC	PP (UL)	-20°C to +100°C	25VA	M12	100cm PVC 16/0.2	Nitrile	UL
756-4277	RSF58Y100R1/8	PP(UL)	-20°C to +100°C	25VA	1/8"NPT	100cm PVC 16/0.2	N/A	UL

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.



ISO9001 CERTIFIED

RSF50 RS 2017

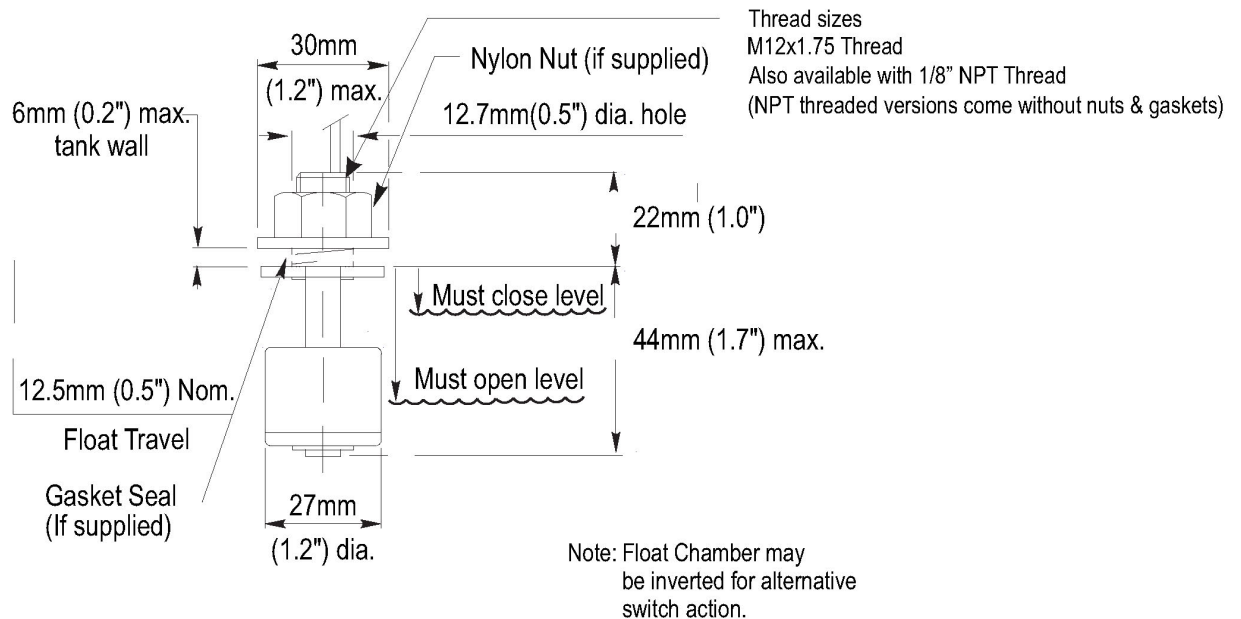
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RSF50 Series

Compact Internal Fitting Vertical

Mechanical Dimensions

Dimensions are in millimeters (inches)



Cynergy3 Components Ltd.
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Ferndown Industrial Estate
Wimborne, Dorset BH21 7PE
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Email: sales@cynergy3.com

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