Miniature Single Switch RSF50

Vertical Plastic

The RSF50 series are compact vertically mounted devices with a single switch point. Mounting is in the top or bottom of the tank from the inside, so requires access to the inside of the tank.

Typical applications include printing systems and chemical dosing equipment. They are manufactured in a variety of materials, with a choice of gasket materials, to suit most commonly used liquids.

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

All types, except those in PVC, are also available with 1/8" NPT tapered thread.

- Compact design
- User configurable N/O or N/C operation
- Reliable reed switch contacts
- Available in PVC, PPS, Polypropylene and Nylon
- WRAS approved
- Many variants are UL recognised components file number E171218

Technical specifications		RSF51/52	RSF53	RSF54	RSF56
Material		PVC	Nylon	Polypropylene	Polyphenylene Sulphide (PPS)
Colour		Light Grey	Black	Opaque	Grey
Temp. Range	°C	-20 / +60	-20 / +75	-20 / +100	-10 / +120*
	°F	-4 / +140	-4 / +167	-4 / +212	+14 / +248*
Min, Fluid S.G.		0.8	0.8	0.65	0.85
Must Close Level (S.G. = 1)			11.5mm	15.0	9.5
Must Open Level (S.G. = 1)			22.5mm	26.0	20.5

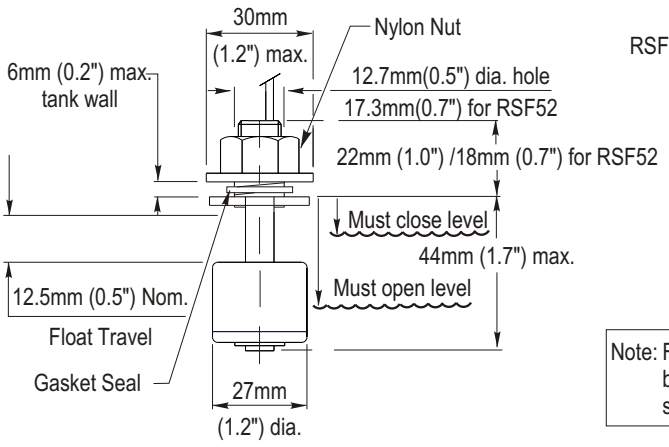
*Maximum temperature requires ETFE cable to be specified.

Electrical specifications	(RSF51/52)	(RSF53/54/56)
Contact Form	N/O (N/C)	N/O (N/C)
Switching Power Max. VA	10	25
Switching Voltage AC Max.	125	240
Switching Voltage DC Max.	150	120
Switching Current Max. A	0.5	0.6

All ratings are for resistive load only

Standard Parts	Material	Leadouts	Gaskets
RSF51Z100J	PVC	1.0m PVC 7/0.2 sheathed cable	Not Supplied
RSF52Z100J	PVC	1.0m PVC 7/0.2 sheathed cable	Not Supplied
RSF53Y100RC	Nylon	1.0m PVC 16/0.2 UL approved	Nitrile
RSF54Y100RC	Polypropylene	1.0m PVC 16/0.2 UL approved	Nitrile
RSF56Y100RC	PPS	1.0m PVC 16/0.2 UL approved	Nitrile

Outline dimensions



Thread sizes
RSF53/4/6 M12x1.75 Thread
RSF51 PG7
RSF52 R3/8"

Note: Float Chamber may be inverted for alternative switch action.