

| RSF80 SERIES

COMPACT EXTERNAL FITTING BY 1/2"NPT



The RSF80 series are designed for mounting through the wall of a tank, via 1/2"NPT thread without requiring access to the inside of the tank.

Typical applications include diesel generators, hydraulic oil and gearbox oil levels.

They are manufactured in a range of plastics to suit most commonly used liquids.

The switch can be fitted to achieve either make on rise (N/O) or make on fall (N/C) action by simply rotating through 180°.

Available with either flying leads or M12 circular connector socket. Cables are available for use with M12 connector versions.

Features

- 1/2"NPT external mount
- Available in Nylon, Polypropylene, PPS or PVDF
- WRAS and NSF Approved versions
- Many variants are UL recognised components File No. E171218
- Flying lead or M12 connection

SPECIFICATIONS

Technical

	RSF83	RSF84	RSF88	RSF86	RSF87
Material	Nylon	Polypropylene WRAS approved	Polypropylene UL approved	Polyphenylene Sulphide (PPS)	Polyvinylidene Fluoride (PVDF)
Colour	Black	Opaque	White	Grey	Green
Temp. Range °C °F	-20/+75	-20/+100	-20/+100	-10/+120*	-10/+105
	-4/+167	-4/+212	-4/+212	+14/+248*	+14/+221
Min. Fluid SG	0.85	0.85	0.80	0.85	0.85
Must Close Level (SG=1)	7mm	8mm	8mm	9mm	9mm
Must Open Level (SG=1)	20mm	20mm	20mm	24mm	24mm

* Maximum temperature requires ETFE cable to be specified.

Electrical

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

All ratings are for resistive load only.



STANDARD PARTS

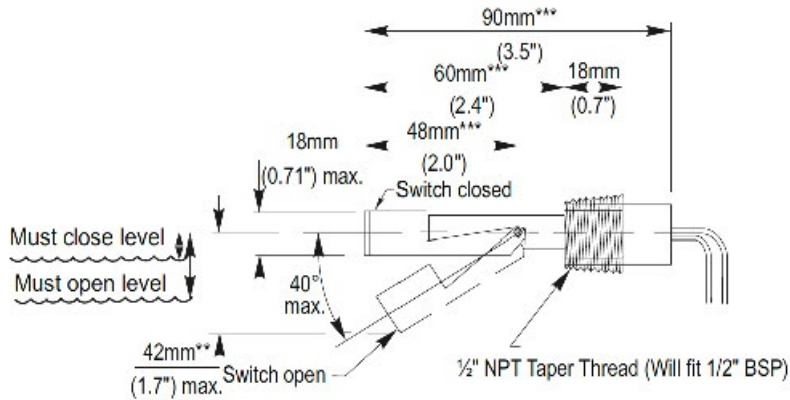
	Material	Max Power	Leadouts	Approvals
RSF83H100R	Nylon	100VA	100cm PVC 16/0.2	WRAS
RSF83Y100R	Nylon	25VA	100cm PVC 16/0.2	WRAS
RSF84H100R	Polypropylene	100VA	100cm PVC 16/0.2	WRAS & NSF
RSF84Y100R	Polypropylene	25VA	100cm PVC 16/0.2	WRAS & NSF
RSF86H050T	PPS	100VA	50cm ETFE 19/0.2	WRAS, UL & NSF
RSF86H100R	PPS	100VA	100cm PVC 16/0.2	WRAS, UL & NSF
RSF86Y050T	PPS	25VA	50cm ETFE 19/0.2	WRAS, UL & NSF
RSF86Y100R	PPS	25VA	100cm PVC 16/0.2	WRAS, UL & NSF
RSF87H100G	PVDF	100VA	100cm PTFE 7/0.2	UL & NSF
RSF87Y100G	PVDF	25VA	100cm PTFE 7/0.2	UL & NSF
RSF88H100R	Polypropylene UL	100VA	100cm PVC 16/0.2	UL
RSF88Y100R	Polypropylene UL	25VA	100cm PVC 16/0.2	UL
RSF83HP	Nylon	100VA	M12 connection	WRAS
RSF83YP	Nylon	25VA	M12 connection	WRAS
RSF84HP	Polypropylene	100VA	M12 connection	WRAS & NSF
RSF84YP	Polypropylene	25VA	M12 connection	WRAS & NSF
RSF86HP	PPS	100VA	M12 connection	WRAS, UL & NSF
RSF86YP	PPS	25VA	M12 connection	WRAS, UL & NSF
RSF87HP	PVDF	100VA	M12 connection	UL & NSF
RSF87YP	PVDF	25VA	M12 connection	UL & NSF
RSF88HP	Polypropylene UL	100VA	M12 connection	UL
RSF88YP	Polypropylene UL	25VA	M12 connection	UL

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



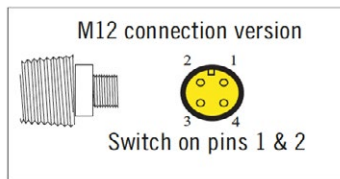
DIMENSIONS

All dimensions are in millimeters.



** 49mm RSF86 & RSF87

*** Add 10mm to dims, RSF86 & RSF87



Made in the UK

Page 3

Datasheets provided by Sensata Technologies, Inc., its subsidiaries and/or affiliates ("Sensata") are solely intended to assist third parties ("Buyers") who are developing systems that incorporate Sensata products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, valuation, and judgment in designing Buyer's systems and products. Sensata datasheets have been created using standard laboratory conditions and engineering practices. Sensata has not conducted any testing other than that specifically described in the published documentation for a particular datasheet. Sensata may make corrections, enhancements, improvements, and other changes to its datasheets or components without notice. Buyers are authorized to use Sensata datasheets with the Sensata component(s) identified in each particular datasheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER SENSATA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. SENSATA DATASHEETS ARE PROVIDED "AS IS". SENSATA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATASHEETS OR USE OF THE DATASHEETS, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. SENSATA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO SENSATA DATASHEETS OR USE THEREOF.

All products are sold subject to Sensata's terms and conditions of sale supplied at www.sensata.com. SENSATA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY, AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF SENSATA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY SENSATA.

Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

+44 (0)1202 897969
support@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Sensata:](#)

[RSF83Y100R](#) [RSF84Y100R](#) [RSF86Y050T](#) [RSF86Y100R](#) [RSF83H100R](#) [RSF87YP](#) [RSF88H100R](#) [RSF88HP](#)
[RSF88Y100R](#) [RSF88YP](#) [RSF86H100R](#) [RSF86HP](#) [RSF86YP](#) [RSF87H100G](#) [RSF87HP](#) [RSF87Y100G](#) [RSF83HP](#)
[RSF83YP](#) [RSF84H100R](#) [RSF84HP](#) [RSF84YP](#) [RSF86H050T](#)