RSF70 Series



Compact external fitting via compression seal



- Compression seal fitting
- Available in Nylon, Polypropylene & PPS
- 25VA & 100VA versions available
- Many variants are UL recognised components File No. E171218
- WRAS Approved versions

| Technical Specification | RSF73 | RSF74 | RSF78 | RSF76 | |
|--------------------------|----------------|---------------------|---------------|----------------|--|
| Material | Nylon | Polypropylene | Polypropylene | Polyphenylene | |
| | | WRAS approved | UL approved | Sulphide (PPS) | |
| Colour | Black | Opaque | White | Grey | |
| Temp. Range °C | -20 / +75 | -20 / +100 | -20 / +100 | -10 / +120 * | |
| °F | -4 ./ +167 | -4 / +212 | -4 / +212 | +14 / +248 * | |
| Min. Fluid SG | 0.85 | 0.85 | 0.85 | 0.85 | |
| Must close level (SG=1) | 7mm | 8mm | 8mm | 9mm | |
| Must open level (SG=1) | 20mm | 20mm | 20mm | 24mm | |
| * Maximum tamparatura ra | auiros ETEE co | blo to be essertied | | | |

| * Maximum tempera | ture requires ETFE | cable to b | e specified. |
|-------------------|--------------------|------------|--------------|
|-------------------|--------------------|------------|--------------|

| Electrical Specification | | 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 | Α | 0.6 | 1 |
| All ratings are for resistive l | oad only. | | |

| Standard PartsMaterial | Temp Range M | lax Power | Leadouts | Gasket | Approvals |
|---------------------------|----------------|-----------|------------------|---------|-----------|
| RSF73H100RN Nylon | -20°C to+75°C | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF73Y100RN Nylon | -20°C to+75°C | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF74H100RN Polypropylene | -20°C to+100°C | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF74Y100RN Polypropylene | -20°C to+100°C | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF76H050TV PPS | -10°C to+105°C | 100VA | 50cm ETFE 19/0.2 | Viton | WRAS & UL |
| RSF76H100RN PPS | -10°C to+120°C | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS & UL |
| RSF76Y050TV PPS | -10°C to+105°C | 25VA | 50cm ETFE 19/0.2 | Viton | WRAS & UL |
| RSF76Y100RN PPS | -10°C to+120°C | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS & UL |
| RSF78H100RN PP (UL) | -20°C to+100°C | 100VA | 100cm PVC 16/0.2 | Nitrile | UL |
| RSF78Y100RN PP (UL) | -20°C to+100°C | 25VA | 100cm PVC 16/0.2 | Nitrile | |

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

Mechanical Dimensions

88mm** (3.5°) 55mm 18mm max. 3mm (0.12") 23.0mm (0.9") dia. (2.2")(0.71") dia. Switch Closed max tank wall hole in tank Must close level M16x2 Thread 40° Max Nvlon Nut Must open level Nylon Washer Compression seal for 42mm* Switch Open **External Mount** (1.7")

* 49mm RSF76

RSF70 series is designed for fitting through a tank wall from th outside, where access to the inside for fitting is not possible.

Typical applications include vending machines, commercial dishwashers and auxiliary tanks on vehicles.

These are 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 mounting the device with the float able to move upwards away from the body, instead of the more normal downwards direction.

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ISO9001 CERTIFIED

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^{**} Add 10mm to dims. RSF76