



RSF20 Series

Low level switch for boiling water



- **Pivot out of liquid**
- **Low level switch position**
- **WRAS approved for use in hot & cold water**
- **Many variants are UL recognised components File No. E171218**
- **Flying lead or M12 connector**

Technical Specification

| | |
|-------------------------|------------------------------|
| Material | Polyphenylene Sulphide (PPS) |
| Colour | Grey |
| Temp. Range °C | -10 / +120 * |
| °F | +14 / +248 * |
| Minimum liquid SG | 0.80 |
| Must close level (SG=1) | 9mm |
| Must open level (SG=1) | 24mm |

* Maximum temperature requires ETFE cable to be specified.

The RSF20 is designed to eliminate the problems associated with limescale build up around the pivot point on a conventional float switch.

This particular series is primarily for applications where a low level condition has to be monitored, in a system where the liquid is usually maintained at a high level, or where a wider differential is required between the opening and closing levels.

The extended drop float actuator allows the switch housing and float pivots to be located above the surface of the liquid, while the excess buoyancy of the float chamber itself ensures that it floats, even when scale builds up on the float chamber.

Typical applications include wall kettles and hot vending machines.

The switch is closed when the level is low(float down) and opens as the liquid level rises. Version are available with either flying leads or M12 circular connector. Cables are available for use with M12 connection versions.

Electrical Specification

| Electrical Specification | 25W (Y code) | 100W (H code) |
|----------------------------|--------------|---------------|
| Contact Form | N/C | 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.

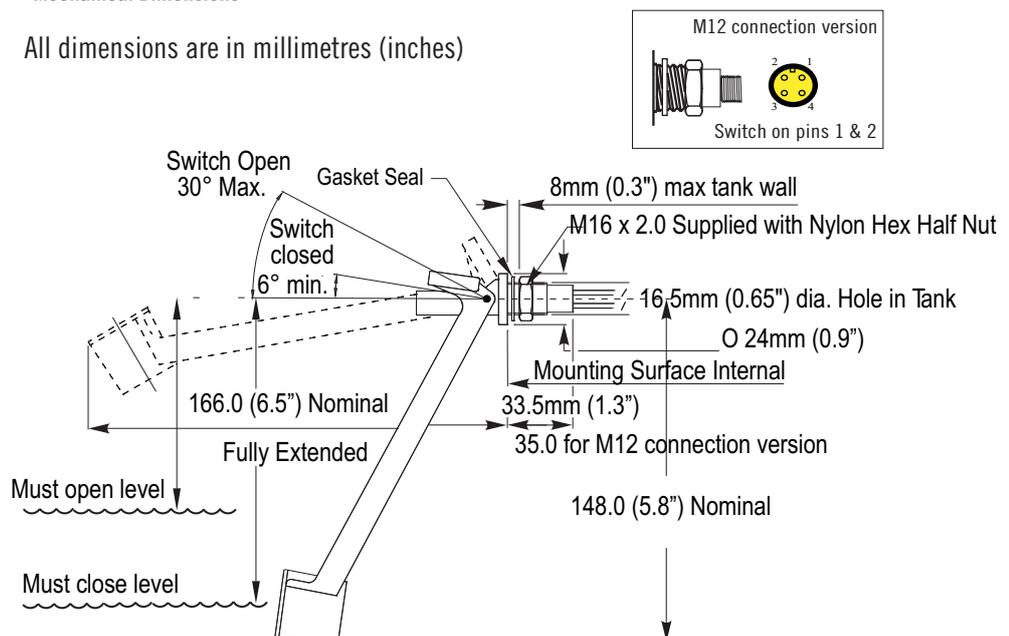
Standard Parts

| Standard Parts | Material | Approvals | Max Power | Leadouts | Gasket |
|----------------|----------|-----------|-----------|--------------------|---------|
| RSF26H050TG | PPS | WRAS & UL | 100VA | 50cm ETFE 19/0.2 | Viton |
| RSF26H100RF | PPS | WRAS & UL | 100VA | 1 metre PVC 16/0.2 | Nitrile |
| RSF26Y050TG | PPS | WRAS & UL | 25VA | 50cm ETFE 19/0.2 | Viton |
| RSF26Y100RF | PPS | WRAS & UL | 25VA | 1 metre PVC 16/0.2 | Nitrile |
| RSF26HFP | PPS | WRAS & UL | 100VA | M12 connector | Nitrile |
| RSF26YFP | PPS | WRAS & UL | 25VA | M12 connector | Nitrile |

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

Mechanical Dimensions

All dimensions are in millimetres (inches)



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