



RS stock numbers : 725-9953, 725-9956, 725-9959, 725-9962



# LLF Series

## Vertical Fast Lift Floatswitches



- **Vertical Mount**
- **200mm and 50mm variants**
- **Factory Configured N/O or N/C**
- **10mm Switch Actuation level**
- **Low SG operation (0.45)**

### Technical Specification

|                     |                |                              |                  |
|---------------------|----------------|------------------------------|------------------|
| Mounting style      | Internal       | Cable length - standard      | 100cm/Plug       |
| Mounting thread     | M12/M16        | Cable size                   | 2 Core 7/0.2 PVC |
| Float/Stem material | Nylon/PPS/Buna | Cable conductor material     | Tinned copper    |
| Maximum Temperature | 75°C           | Cable sheath material        | PVC              |
| Maximum Pressure    | 10 bar         | Cable temperature rating     | 85°C             |
| Float SG            | 0.45           | Sealing gasket               | Nitrile          |
| Minimum Fluid SG    | 0.45           | Tightening torque for fixing | 2.0kg/cm         |

### Electrical Specification

|                          |            |
|--------------------------|------------|
| Contact Form             | N/O or N/C |
| Switching Power Max. VA  | 25         |
| Switching Current Max. A | 0.6        |
| Switching Voltage Max AC | 240        |
| Switching Voltage Max DC | 120        |

All ratings are for resistive load only.

| RS Stock code | Standard Parts | Switching Action | Leadouts                         | Gasket  |
|---------------|----------------|------------------|----------------------------------|---------|
| 725-9956      | LLF59Y100JC    | Make on rise     | 1m 2 core PVC 16/0.2 UL approved | Nitrile |
| 725-9959      | LLF59Y100JC004 | Break on rise    | 1m 2 core PVC 16/0.2 UL approved | Nitrile |
| 725-9953      | LLF69A198      | Make on rise     | 1m 2 core PVC 16/0.2 UL approved | Nitrile |
| 725-9862      | LLF69B198      | Break on rise    | 1m 2 core PVC 16/0.2 UL approved | Nitrile |

The LLF range of vertical floatswitches have been developed for applications where ultra low levels are required to be detected.

Unlike conventional float arrangements, the LLF uses a large diameter Buna float to allow SGs as low as 0.45 to be sensed with very little fluid due to its' extremely low freeboard.

The switch will start operating in as little as 6mm of fluid.

Available in 2 lengths with either N/O or N/C switching conguration, the LLF is ideal for drip tanks, hatch alarms and other applications where sensitive fluid detection is required.

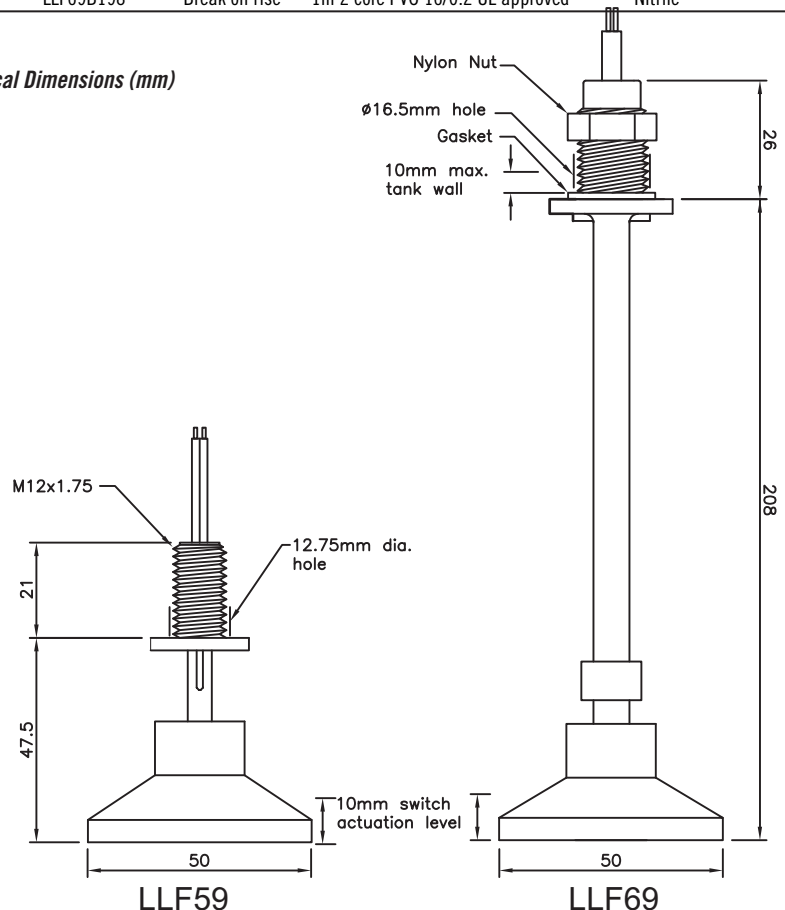
All Cynergy3 floatswitches are fitted with high quality reedswitch contacts for optimum performance.

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### Mechanical Dimensions (mm)



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