



## LDS809-51

### LDS Series–Level Sensor

#### Features

- High or low level sensing
- Internal or external fitting
- Reed Switch reliability
- Silicone sealing washer/grommet
- Easy installation

#### Applications

- Continuous 80
- Water high or low Level
- Condensate level alarm
- Drinking water level
- Cooling systems

#### Comments

- Close Differential between open and closed
- Normally open or normally closed by rotating through 180
- Suitable for a wide range of liquids
- Interface option available
- Polypropylene Material

#### Material

<b>Housing Material</b>	Glass Filled Polypropylene
<b>Float Material</b>	Glass Filled Polypropylene
<b>Contact Material</b>	Ruthenium
<b>Float SG</b>	0.7
<b>Operating Temperature °C</b>	-30 to 105
<b>Medium</b>	Water
<b>Housing and Float Color</b>	Charcoal

#### Cable

<b>Cable Length</b>	2 x 0.5M single insulated
<b>Connection Type</b>	Stripped Cables
<b>Cable Type</b>	18AWG, 32/0.2mm PVC insulated
<b>Cable Color</b>	Black

#### Mechanical Specifications

<b>Shock</b>	50g for 11mS duration
<b>Vibration</b>	35g up to 500Hz
<b>Maximum Pressure</b>	4.7 Bar
<b>IP</b>	IP65

#### Mounting

<b>Thread</b>	M16
<b>Fitment</b>	Universal Internal or External
<b>Mounting</b>	Horizontal

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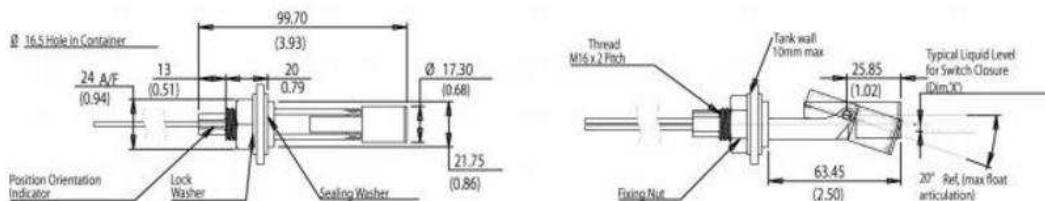
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### Switching

Switch Action (Reed Switch)	SPST
Max Switching Voltage VDC	200
Max Switching Voltage VAC	250
Max Switching Current Amps	1
Max Switching Load Watt	70
Operate Mode	N/C with float horizontal
Contact Form	A

### Technical Drawing

#### Internal Fitting

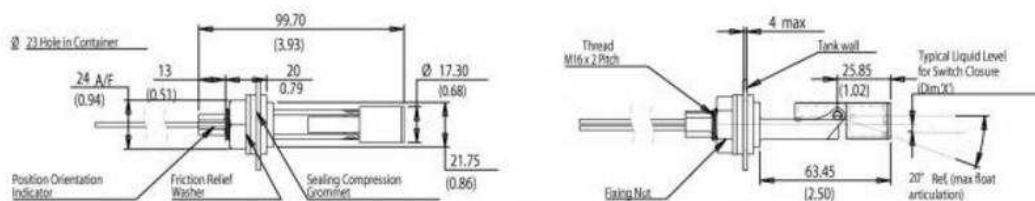


Switch operate point (DIM 'X') in water

LDS8 Polypropylene with position orientation indicator TOP 0mm  
with position orientation indicator BOTTOM 2mm

LDS3 Nylon 6.6 with position orientation indicator TOP 1mm  
with position orientation indicator Bottom 3mm

#### External Fitting



Switch operate point (DIM 'X') in water

LDS8 Polypropylene with position orientation indicator TOP 0mm  
with position orientation indicator BOTTOM 2mm

LDS3 Nylon 6.6 with position orientation indicator TOP 1mm  
with position orientation indicator Bottom 3mm