



LDS309-51N

LDS Series–Level Sensor

Features

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

Applications

- Chemical high or low level
- Diesel Fuel
- Fuel low level
- Alcohols
- Low Oil Detection

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
- Nylon 6.6 Material

Material

Housing Material	Glass Filled Nylon 6.6
Float Material	Glass Filled Nylon 6.6
Contact Material	Ruthenium
Float SG	0.85
Operating Temperature °C	-30 to 130
Medium	Fuels, Oils, Alcohols
Housing and Float Color	Blue

Cable

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

Mechanical Specifications

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

Mounting

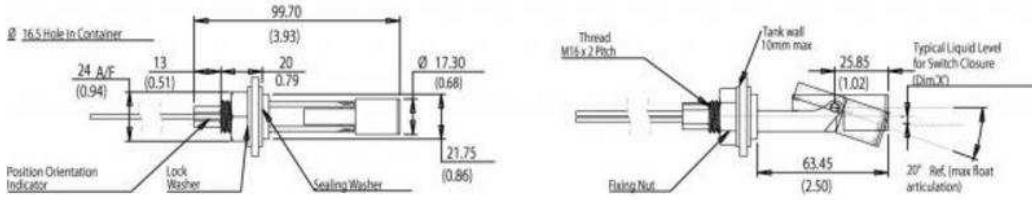
Thread	M16
Fitment	Universal Internal or External
Mounting	Horizontal

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

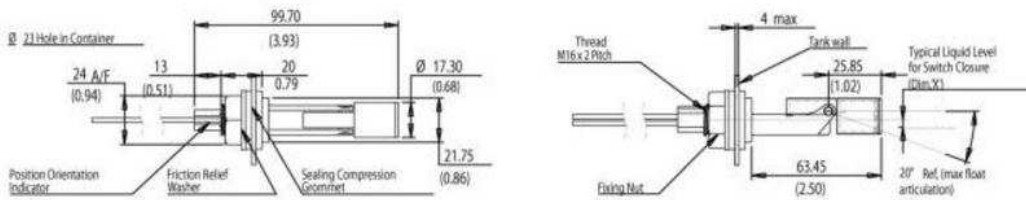
Internal Fitting



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