

Miniature Float Guided Switches - **MFGS** series

They are compact, economical and reliable level switches used for level detection in small tank/machine/equipment where limited space is available inside /outside.

Construction & Operation

Each switch consists of a magnetic float moving along the switch enclosure (guide tube). During rising & falling of liquid, float follows the liquid level and actuates the reed switch. It can be mounted from top, bottom & side of the tank.

Reversible switching action – can be achieved in few models by float inversion.

Services & Applications

Water, hydrocarbons, edible oils, acids & alkalies, vending machines for food, beverage, tea & coffee, chiller compressor, plastic extruder, spark erosion / special pupose / hydraulic machines, humidifier, dosing equipments for water / effluent treatment plants and bilge level control in ships



Hydraulic Machines

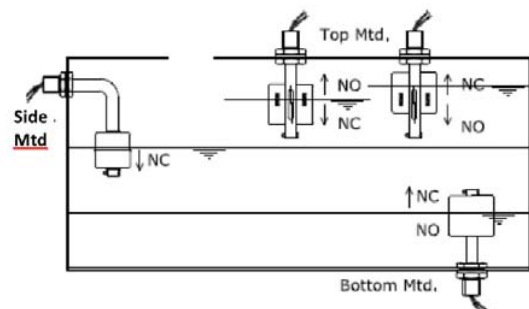


Vending Machines



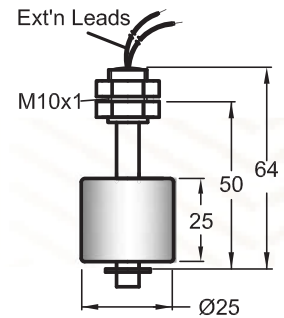
Spark Erosion Machine

Installation



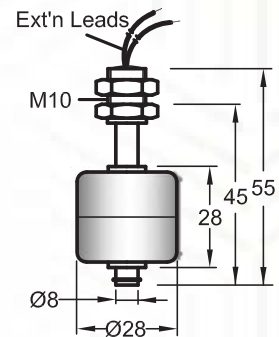
MFGS - P21

Liquid Sp. gr. Min	: 0.7
Temperature Max	: 70 °C
Test Pressure Max	: 1 Kg/cm ²
Guide Tube MOC	: PP
Float	: PP solid, Ø25
Connection	: M10 with washer & locknut
Standard Mounting	: Top
Switch Capacity	: 10 VA (NO)
Switch Action	: NC to NO
Reversible Sw. Action	: No
Differential	: 3-5 mm
Switching Voltage Max	: 140 VAC/200 VDC
Switching Current Max	: 0.5 A
Termination	: 300 mm extension leads



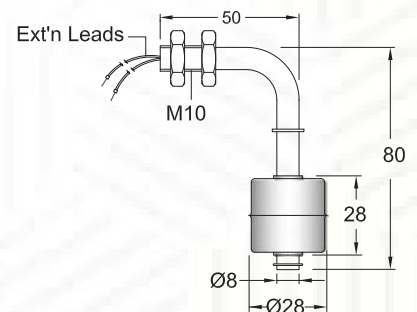
MFGS - N31

Liquid Sp. gr. Min	: 0.8
Temperature Max	: 130 °C
Test Pressure Max	: 5 Kg/cm ²
Guide Tube MOC	: SS304
Float	: SS304 x Ø28
Connection	: M10 with washer & locknut
Standard Mounting	: Top
Switch Capacity	: 10 VA (NO)
Switch Action	: NC to NO
Reversible Sw. Action	: Yes
Differential	: 3-5 mm
Switching Voltage Max	: 140 VAC/200 VDC
Switching Current Max	: 0.5 A
Termination	: 300 mm extension leads



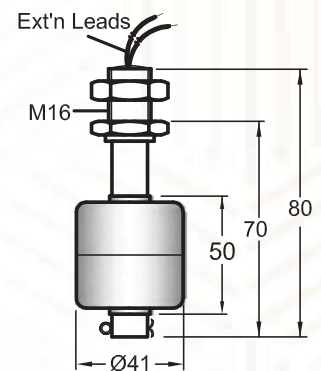
MFGS - N31(S)

Liquid Sp. gr. Min	: 0.8
Temperature Max	: 130 °C
Test Pressure Max	: 5 Kg/cm ²
Guide Tube MOC	: SS304
Float	: SS304 x Ø28
Connection	: M10 with washer & locknut
Standard Mounting	: Side
Switch Capacity	: 10 VA (NO)
Switch Action	: NC to NO
Reversible Sw. Action	: Yes
Differential	: 3-5 mm
Switching Voltage Max	: 140 VAC/200 VDC
Switching Current Max	: 0.5 A
Termination	: 300 mm extension leads



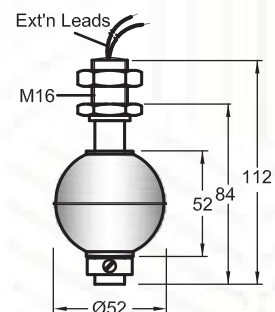
MFGS - N41

Liquid Sp. gr. Min	: 0.65
Temperature Max	: 130 °C
Test Pressure Max	: 5 Kg/cm ²
Guide Tube MOC	: SS304
Float	: SS304 x Ø41
Connection	: M16 with washer & locknut
Standard Mounting	: Top
Switch Capacity	: 10 VA (NO)
Switch Action	: NC to NO
Reversible Sw. Action	: Yes
Differential	: 3-5 mm
Switching Voltage Max	: 140 VAC/200 VDC
Switching Current Max	: 0.5 A
Termination	: 300 mm extension leads



MFGS - N51

Liquid Sp. gr. Min	: 0.65
Temperature Max	: 130 °C
Test Pressure Max	: 5 Kg/cm ²
Guide Tube MOC	: SS304
Float	: SS304 x Ø52
Connection	: M16 with washer & locknut
Standard Mounting	: Top
Switch Capacity	: 10 VA (NO)
Switch Action	: NC to NO
Reversible Sw. Action	: NO
Differential	: 3-5 mm
Switching Voltage Max	: 140 VAC/200 VDC
Switching Current Max	: 0.5 A
Termination	: 300 mm extension leads



All dimensions in mm except specified

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