

59300 Level Sensor

RoHS



Description

The 59300 is a small sensor with magnetic float actuator with a normally open contact. It is capable of switching up to 140Vac/200Vdc at 10VA. It is ideally suited to liquid and air conditioning condensate and industrial process control applications.

Features

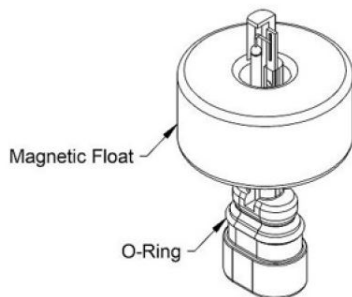
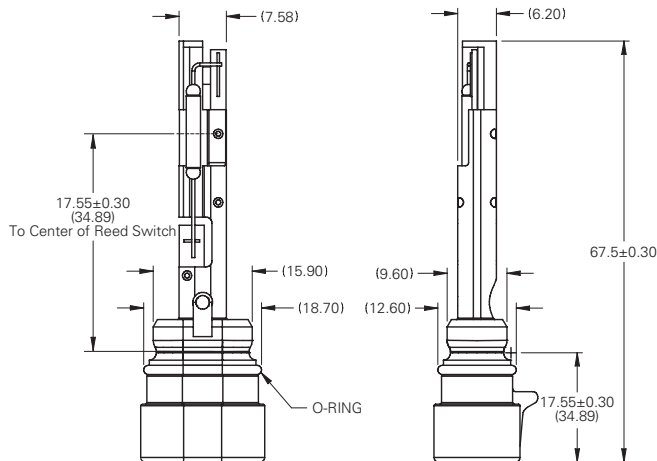
- Low cost
- No potting
- Welded connection
- Press fit mounting
- For blow or injection molded bottles

Benefits

- No standby power required
- Long contact life with logic level loads
- Hermetically sealed contacts
- Automotive grade

Dimensions

Dimensions in mm (inch)



Note: Littelfuse does not supply the float.

Applications

- Liquid level control
- Air conditioning systems
- Industrial Process Control

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Electrical Ratings

Contact Type			Normally Open
Switch Type			1
Contact Rating ¹		VA/Watt - max.	10
Voltage ⁴	Switching ²	Vdc - max.	200
		Vac - max.	140
	Breakdown ³	Vdc - min.	250
Current ⁴	Switching ²	Adc - max.	0.5
		Aac - max.	0.35
	Carry	Adc - max.	1.2
Resistance ⁵	Contact, Initial Insulation	Ω - max. Ω - min.	0.5 10 ¹⁰
Capacitance	Contact	pF - typ.	0.3
Temperature	Operating	°C	-40 to +105

Product Characteristics

Operate Time ⁶		ms - max.	0.6
Release Time ⁶		ms - max.	0.2
Shock ⁷	11ms ½ sine	G - max.	100
Vibration ⁷	50-2000 Hz	G - max.	30
Connector Style	Mating	Delphi Metri-Pak	12052641

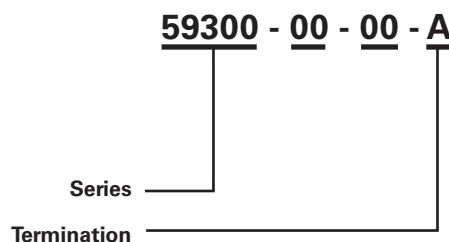
Notes:

- Contact rating - Product of the switching voltage and current should never exceed the wattage rating. Contact Littelfuse for additional load/life information.
- When switching inductive and/or capacitive loads, the effects of transient voltages and/or currents should be considered. Refer to Application Notes AN108A and AN107 for details.
- Breakdown Voltage - per MIL-STD-202, Method 301.
- Electrical Load Life Expectancy - Contact Littelfuse with voltage, current values along with type of load.
- This resistance value is for 11.81mm wire length. Resistance changes when wire lengthens.
- Operate (including bounce)/Release Time - per EIA/NARM RS-421-A, diode suppressed coil (Coil II).
- Shock and Vibration - per EIA/NARM RS-421-A and MIL-STD-202.

Termination Options

Select Option	Description
A	Delphi Metri-Pak pn 12052641

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity and Packaging Code	Taping Width
Bulk	Bulk	500	N/A	N/A