

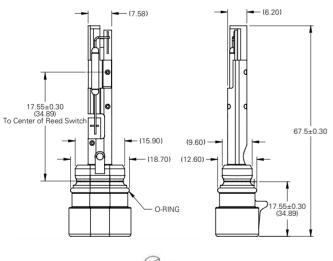
# 59300 Level Sensor

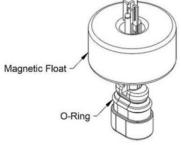
#### RoHS



### **Dimensions**

Dimensions in mm (inch)





Note: Littelfuse does not supply the float.

## Description

The 59300 is a small sensor with a normally open contact, intended to be operated with a magnetic float actuator (not provided with sensor). 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

### **Benefits**

- No standby power required
- Long contact life with logic level loads

## Applications

- Liquid level control
- · Air conditioning systems

- Press fit mounting
- For blow or injection molded bottles
- RoHS compliant
- Hermetically sealed contacts
- Automotive grade
- Industrial Process Control



# 59300 Level Sensor

## **Electrical Ratings**

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

#### **Product Characteristics**

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

Notes:

1. Contact rating - Product of the switching voltage and current should never exceed the wattage rating. Contact Littelfuse for additional load/life information.

2. 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.

3. Breakdown Voltage - per MIL-STD-202, Method 301.

4. Electrical Load Life Expectancy - Contact Littelfuse with voltage, current values along with type of load.

5. This resistance value is for 11.81mm wire length. Resistance changes when wire lengthens.

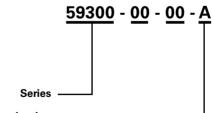
6. Operate (including bounce)/Release Time - per EIA/NARM RS-421-A, diode suppressed coil (Coil II).

7. Shock and Vibration - per EIA/NARM RS-421-A and MIL-STD-202.

## **Termination Options**

### **Part Numbering System**

	Select Option	Description	
A Delphi Metri-Pak pn 12052641	А	Delphi Metri-Pak pn 12052641	



Termination



### Packaging

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

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