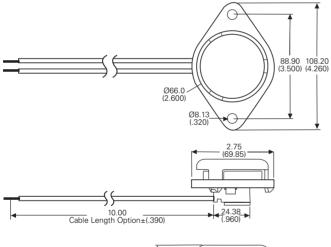
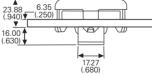


59251 Seating Occupancy Reed Switch Sensor

Dimensions

Dimensions in mm (inch)





Description

The 59251 is a magnetically operated push button sensor with simple push fit clip mounting. It has a large integral dome and it's normally open contacts actuate when the dome is depressed. It can switch up to 140Vac/200Vdc at 10W. The 59251 has a large integral dome for load distribution and neoprene boot for environmental protection. It has choice of various cable lengths and connector options.

Features

- Magnetically operated position sensor
- Simple push fit mounting
- Operates when plunger is
 depressed

Benefits

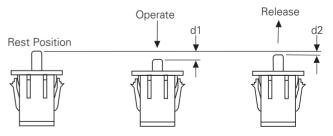
- Robust construction makes this sensor well suited to harsh environments
- Integral neoprene boot provides protection from severe environments

Applications

- Seat occupancy sensing
- Position and limit sensing

Activation (without boot)

Operate Distance d1 5.5mm (0.217) max. Release Distance d2 1.5mm (0.059) min.



• Choice of cable length

Choice of connector

RoHS

- Large integral dome
- zRoHS compliant
- No standby power required
- Hermetically sealed, magnetically operated contacts give excellent life and reliabilty



59251 Seating Occupancy Reed Switch Sensor

Electrical Ratings

Contact Type			Normally Open
Switch Type			1
Contact Rating ¹		VA/Watt - max.	10
Voltage ⁴	Switching ² Breakdown ³	Vdc - max. Vac - max. Vdc - min.	200 140 250
Current ⁴	Switching ² Carry	Adc - max. Aac - max. Adc - max.	0.5 0.35 0.5
Resistance ⁵	Contact, Initial Insulation	Ω - max. Ω - min.	0.2 10 ¹⁰
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +85

Product Characteristics

Operate Time 6		ms - max.	1.0
Release Time 6		ms - max.	1.0
Shock 7	11ms ½ sine	G - max.	100
Vibration ⁷	50-2000 Hz	G - max.	30

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.

8. For custom modifications to the wire length or size, or adding a special connector, please contact Littelfuse.