59250 Seating Occupancy Reed Switch Sensor

RoHS

Description

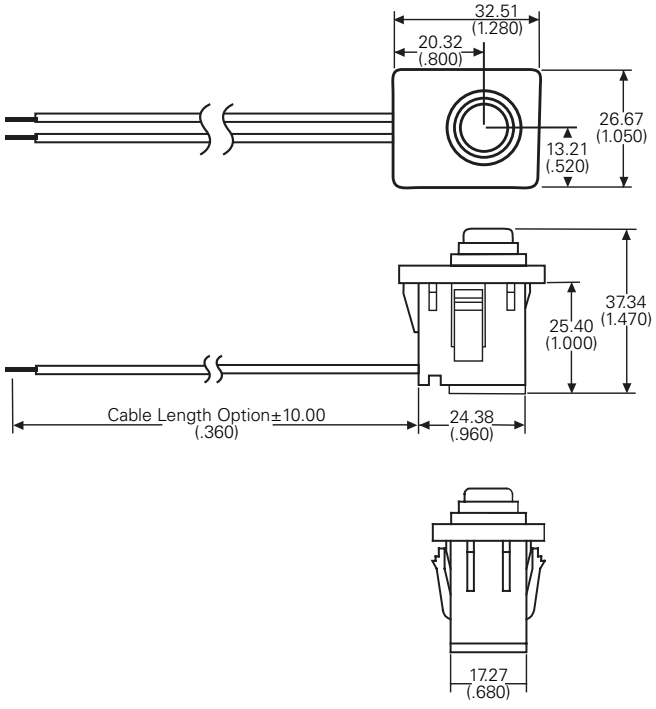
The 59250 is a magnetically operated push button sensor with a simple push-fit clip mounting. Normally open contacts actuate when the plunger is depressed. Switches up to 140Vac/200Vdc at 10W. It has integral neoprene boot for environmental protection. It is available with choice of various cable lengths and connector options.

Features

- Magnetically operated position sensor
- Simple push fit mounting
- Operates when plunger is depressed
- Choice of cable length
- Choice of connector

Dimensions

Dimensions in mm (inch)



Benefits

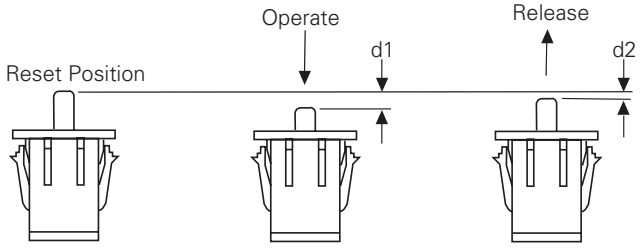
- Robust construction makes this sensor well suited to harsh environments
- Integral neoprene boot provides protection from severe environments
- No standby power required
- Hermetically sealed, magnetically operated contacts give excellent life and reliabilty

Applications

- Seat occupancy sensing
- Position and limit sensing

Activation (without boot)

Operate Distance d1 5.5mm (.217) max.
Release Distance d2 1.5mm (.059) min.



 Revised: 11/02/15
Specifications are subject to change without notice.

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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.

Littelfuse
Expertise Applied | Answers Delivered

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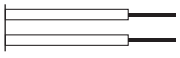
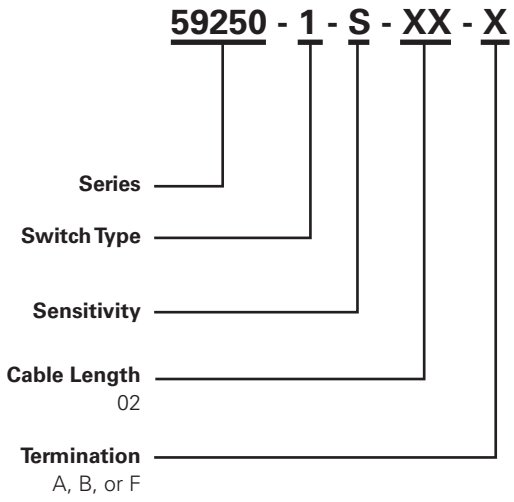
Cable Length Specification

Cable Type: 18 AWG 19/30 XLP Polyethylene	
Select Option	**Cable Length mm (inch)**
02	300 (11.81)

Termination Specification

Termination Options		
Select Option	**Description (Two-wire versions illustrated)**	
A	Tinned leads (6.4±0.76)mm	
F	Untinned leads (6.4±0.76)mm	
B	Deutsch DTM04-2P	

Part Numbering System



Packaging

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

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