

59210 Small Lever Arm Reed Sensor





Agency Approvals

Agency	Agency File Number
c FN us	E61760

Note: Contact Littelfuse for specific agency approval ratings

Dimensions

Dimensions in mm (inch)



3.00 (.118) +

19.0 23.0 (.748) (.906)

(456)11.00±0.12 6.00±0.25 (.236±0.25) 4.10±0.12 ▼ (.161±.005) 21.00±0.12 (.827±.005) 1.00 (.039 R. MAX.) 8.50±0.12 (.335±.005) 2.30±0.12 TYP. (.091 DIA.±.005) BOARD MOUNTING DIMENSIONS MATERIAL 1.6±0.21 (.063±.008)



Description

The 59210 is a small lever arm reed sensor in a clip mounting frame with low operating force and an integral two-pin connector. It has normally closed contacts. It is capable of switching up to 140Vac/200Vdc at 10W.

The 59210 is available with various other arm configurations (please contact Littelfuse). It is ideally suited to paper path sensing and security system applications. Please contact Littelfuse for optional return spring and other arm configurations.

Features

Benefits

- Clip mounting frame
- Shrouded terminal accepts Molex SL terminal or equivalent

operated contacts continue to operate long after optical and other

technologies fail due to contamination

Applications · Paper path sensing

· Security system switching

- Low operating force
- · Variety of arm configurations available (contact Littelfuse)
- RoHS compliant
- Hermetically sealed, magnetically
 - · No standby power requirement

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Electrical Ratings

Voltage ⁴	vitching ² eakdown ³	VA/Watt - max. Vdc - max. Vac - max.	4 10 200 140
Voltage ⁴	0	Vdc - max.	200
Voltage ⁴	0		
		Vdc - min.	250
Current ⁴	vitching ² Carry	Adc - max. Aac - max. Adc - max.	0.5 1.0 1.2
	itact, Initial Isulation	Ω - max. Ω - min.	0.2 10 ¹⁰
Capacitance	Contact	pF - typ.	0.3
Temperature O	perating	°C	-40 to +105

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.

Part Numbering System



Activation Parameters

Must Actuate	Must Release		
(Contacts Open)	(Contacts Close)		
< 15 degrees rotation	< 5 degrees rotation back		
of arm	down from rest position		

Packaging

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

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