

59210 Small Lever Arm Reed Sensor





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

- Clip mounting frame
- Shrouded terminal accepts Molex SL terminal or equivalent
- · Low operating force
- Variety of arm configurations available (contact Littelfuse)

Agency Approvals

Agency	Agency File Number
c 'FL 'us	E61760

Note: Contact Littelfuse for specific agency approval ratings

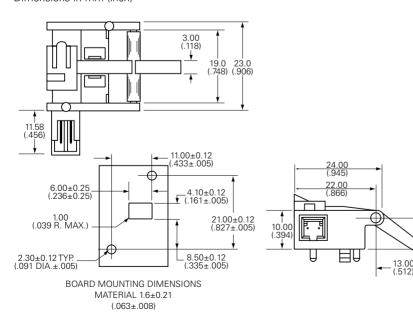
Benefits

• Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

· No standby power requirement

Dimensions

Dimensions in mm (inch)



Applications

- · Paper path sensing
- · Security system switching



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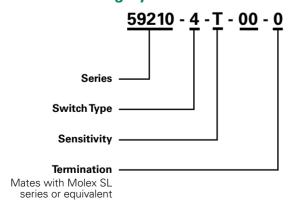
Electrical Ratings

Contact Type			Normally Closed			
Switch Type						
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 1.0 1.2			
Resistance ⁵	Contact, Initial Insulation	Ω - max. Ω - min.	0.2 10 ¹⁰			
Capacitance	Contact	pF - typ.	0.3			
Temperature	Operating	°C	-40 to +105			
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.
- $4.\ Electrical\ Load\ Life\ Expectancy\ -\ Contact\ Littlelfuse\ with\ voltage,\ current\ values\ along\ with\ type\ of\ load.$
- 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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