



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# 59090 Heavy Duty Vane Sensor

## Electrical Ratings

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

## Product Characteristics

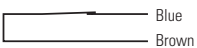
Operate Time <sup>6</sup>		ms - max.	1.0
Release Time <sup>6</sup>		ms - max.	1.0
Shock <sup>7</sup>	11ms ½ sine	G - max.	100
Vibration <sup>7</sup>	50-2000 Hz	G - max.	30

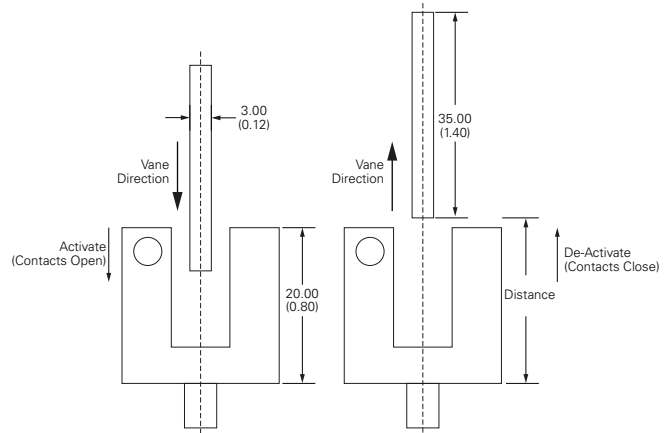
**Notes:**

- Contact rating - Product of the switching voltage and current should never exceed the wattage rating. Contact Littelfuse for additional load/life information.
- 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.
- Breakdown Voltage - per MIL-STD-202, Method 301.
- Electrical Load Life Expectancy - Contact Littelfuse with voltage, current values along with type of load.
- This resistance value is for 11.81mm wire length. Resistance changes when wire lengthens.
- Operate (including bounce)/Release Time - per EIA/NARM RS-421-A, diode suppressed coil (Coil II).
- Shock and Vibration - per EIA/NARM RS-421-A and MIL-STD-202.
- For custom modifications to the wire length or size, or adding a special connector, please contact Littelfuse.

## Activation

Select Option		Activation Distance mm (inch) Average	De-Activation Distance mm (inch) Average
4	Normally Closed	18.0 (.708)	24.0 (.945)

Schematics	Switch Type
	4

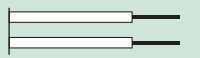

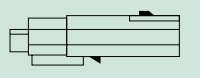


## 59090 Heavy Duty Vane Sensor

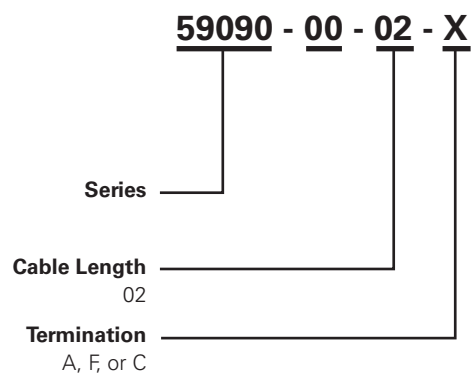
### Cable Length Options

Cable Type: 20AWG 7/28 TXL 125C SAE J1128	
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	
C	Molex Connector MX 150 33481-0201 Molex Terminals 33000-1002	

### Part Numbering System



### Packaging

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