



# 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

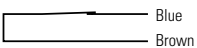
Operate Time <sup>6</sup>		ms - max.	1.0
Release Time <sup>6</sup>		ms - max.	1.0
Shock <sup>7</sup>	11ms ½ sine	G - max.	100
Vibration <sup>7</sup>	50-2000 Hz	G - max.	30

**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

