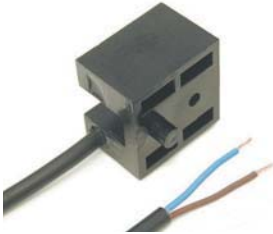


## 59090 Heavy Duty Vane Sensor Features and Benefits



### Features

- Sensor and magnet contained in single housing
- Sensor operates when ferrous vane passes through slot
- Normally closed standard, normally closed high voltage or change over options
- Choice of cable length and connector

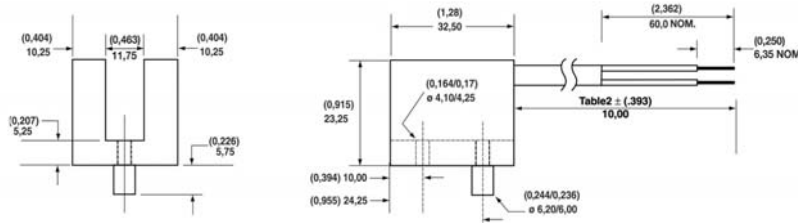
### Benefits

- Quick and reliable single screw mounting with location feature
- No standby power requirement
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

### Applications

- Position and limit sensing
- Security system switch
- Linear actuators
- Industrial process control
- Shaft rotation sensing

### DIMENSIONS (in) mm



SCHEMATICS	Switch Type
	3
	4 & 5

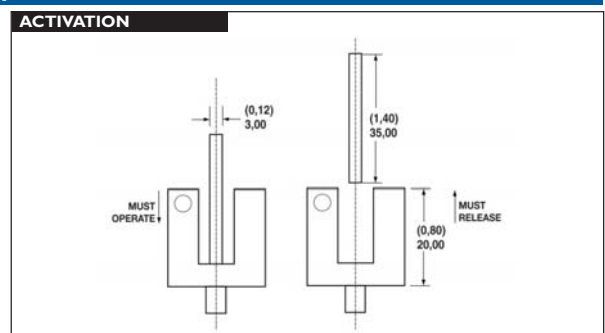
### CUSTOMER OPTIONS - Switching Specifications

TABLE I			Normally Closed	Normally Closed High Voltage	Change Over
Contact Type					
Switch Type			4	5	3
Voltage	Power	Watt - max.	10	10	5
	Switching	Vdc - max.	200	300	175
Current	Breakdown	Vdc - min.	250	450	200
	Switching	A - max.	0.5	0.5	0.25
Resistance	Carry	A - max.	1.2	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2
Capacitance	Insulation	Ω - min.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>7</sup>
	Contact	pF - typ.	0.3	0.2	0.3
Temperature	Operating	°C	-40 to +85	-20 to +85	-40 to +85
	Storage	°C	-65 to +85	-65 to +85	-65 to +85
Time	Operate	ms - max.	1.0	1.0	3.0
	Release	ms - max.	1.0	1.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50
Vibration	50-2000 Hz	G - max.	30	30	30

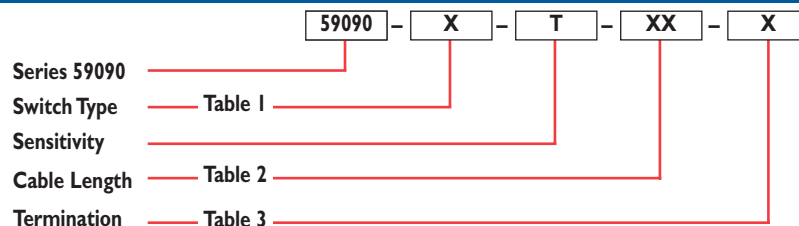
### CUSTOMER OPTIONS - Cable Length and Termination Specification

TABLE 2	
Cable Type:- BS 6500 3A 16/0.2 PVC DOUBLE INSULATED	
Standard Lengths	
SELECT OPTION	CABLE LENGTH (in) mm
01	(3,94) 100
02	(11,81) 300
03	(19,69) 500
04	(29,53) 750
05	(39,37) 1000

TABLE 3	
Termination Options:-	
SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)
A or F	Tinned or untinned leads
C	6.35mm fastons



### ORDERING INFORMATION



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ISSUE No: 5 DATE: 16/10/08

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