

59085 Vane Sensor Features and Benefits



Features

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

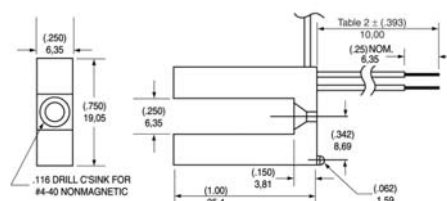
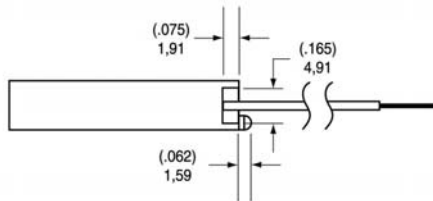
Benefits

- 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
	1
	3
	4 & 5

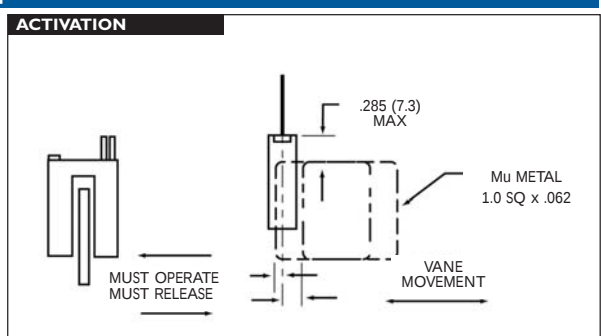
CUSTOMER OPTIONS - Switching Specifications

TABLE I Contact Type			Normally Open	Change Over	Normally Closed	Normally Closed H.V.
Switch Type			1	3	4	5
Power	Power	Watt - max.	5	5	10	10
	Switching	Vdc - max.	175	175	200	300
Voltage	Breakdown	Vdc - min.	200	200	250	450
	Switching	A - max.	0.25	0.25	0.5	0.5
Current	Carry	A - max.	1.5	1.5	1.2	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Resistance	Insulation	Ω - min.	10 ⁹	10 ⁹	10 ¹⁰	10 ¹⁰
	Contact	pF - typ.	0.3	0.3	0.3	0.2
Capacitance	Operating	°C	-40 to +105	-40 to +105	-40 to +105	-20 to +105
	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
Temperature	Operate	ms - max.	3.0	3.0	1.0	1.0
	Release	ms - max.	3.0	3.0	1.0	1.0
Time	Shock	11ms 1/2 sine	50	50	100	100
	Vibration	50-2000 Hz	30	30	30	30

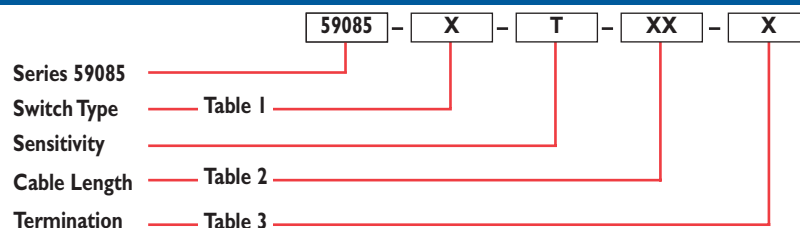
CUSTOMER OPTIONS - Cable Length and Termination Specification

TABLE 2 Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569	
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
D	AMP MTE 2.54mm pitch
E	JST XHP 2.5mm pitch



ORDERING INFORMATION



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