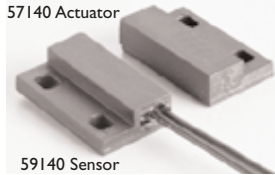


File E61760(N)

59140 Mini Flange Mount Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Compact size requires only 3.2cm² board space
- Case design allows screw down or adhesive mounting
- Customer defined sensitivity
- Choice of cable length and connector

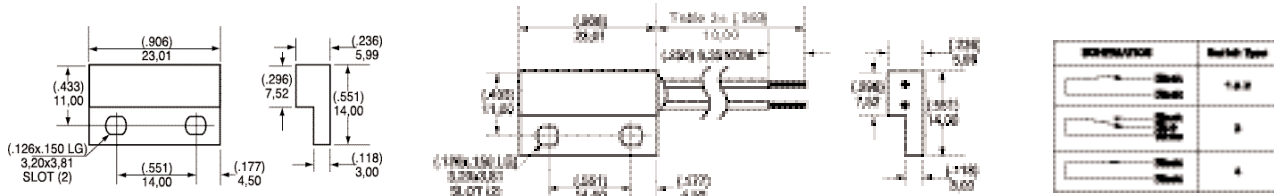
Benefits

- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- 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
- Door switch

DIMENSIONS (in) mm



CUSTOMER OPTIONS - Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
Power	Power	Watt - max.	10	10	5	5
	Switching	Vdc - max.	200	300	175	175
Voltage	Breakdown	Vdc - min.	250	450	200	200
	Switching	A - max.	0.5	0.5	0.25	0.25
Current	Carry	A - max.	1.2	1.5	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Resistance	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁷	10 ⁷
	Contact	pF - typ.	0.3	0.2	0.3	0.3
Capacitance	Operating	°C	-40 to +105	-20 to +105	-40 to +105	-40 to +105
	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
Temperature	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

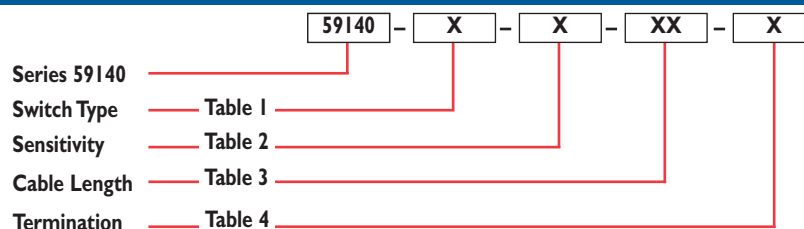
CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2 Sensitivity Options:- Activate Distances are approximate using Hamlin 57140 actuator as illustrated Switch AT before modification							
Select Option	S		T		U		V
Switch Type	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm	Activate Distance d (in) mm
1 Normally Open	12-18	(.453)	17-23	(.374)	22-28	(.315)	(.295)
2 High Voltage		11.5		9.5		8.0	7.5
3 Change Over	15-20	(4.13)	20-25	(.354)	25-30	(.295)	
4 Normally Closed		10.5		9.0		7.5	

TABLE 3 Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569	
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 4 Termination Options:-	
SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)
A	Tinned leads
B	Crimped terminals
C	6.35mm fastons
D	AMP MTE 2.54mm pitch
E	JST XHP 2.5mm pitch

ORDERING INFORMATION



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