

File E61760(N)

59135 High Temperature Flange Mount Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- High temperature rated
- Cross-slotted mounting holes for optimum adjustability
- Standard, high voltage or change over contacts
- Customer defined sensitivity
- Choice of cable length and connector

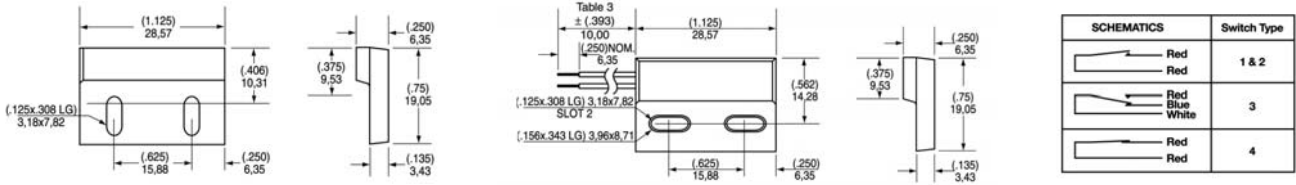
Benefits

- 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
- Simple installation and adjustment

Applications

- Position and limit sensing
- Security system switch
- Linear actuators
- Door switch

DIMENSIONS (in) mm



CUSTOMER OPTIONS - Switching Specifications

TABLE I 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 +150	-20 to +150	-40 to +150	-40 to +150
	Storage	°C	-65 to +150	-65 to +150	-65 to +150	-65 to +150
Temperature	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Time	Shock	11ms 1/2 sine	G - max.	100	50	50
Shock	Vibration	50-2000 Hz	G - max.	30	30	30

CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2							TABLE 3		TABLE 4				
Sensitivity Options:- Activate Distances are approximate using Hamlin 57135 actuator as illustrated Switch AT before modification							Cable Type:- 20 AWG 19/32 FEP UL1130/UL1332		Termination Options:-				
							Standard Lengths		SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)			
Switch Type	S Pull In AT Range Activate Distance d (in) mm	T Pull In AT Range Activate Distance d (in) mm	U Pull In AT Range Activate Distance d (in) mm	V Pull In AT Range Activate Distance d (in) mm			01	(3,94) 100	A or F Tinned or untinned leads				
1 Normally Open	12-18 (748)	17-23 (709)	22-28 (630)	27-33 (591)			02	(11,81) 300		C 6.35mm fastons			
2 High Voltage	19,0	18,0	16,0				03	(19,69) 500			D AMP MTE 2.54mm pitch		
3 Change Over	(650)	(591)	(531)				04	(29,53) 750				E JST XHP 2.5mm pitch	
4 Normally Closed	15-20 16,5	20-25 15,0	25-30 13,5				05	(39,37) 1000					

ORDERING INFORMATION

N.B. 57135 actuator sold separately

59135 - X - X - XX - X

Series 59135

Switch Type

Sensitivity

Cable Length

Termination

Table I

Table 2

Table 3

Table 4

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