

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

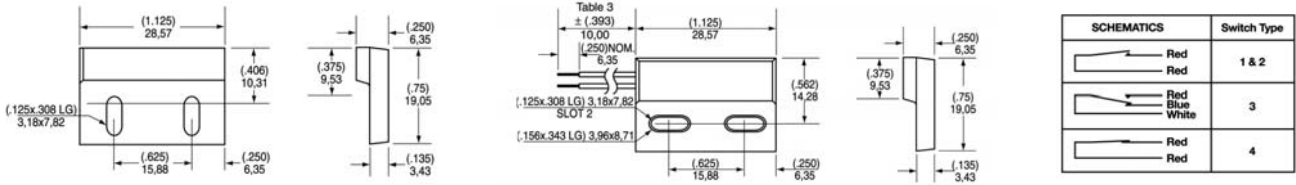
Benefits

- 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			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type						
Voltage	Power	Watt - max.	10	10	5	5
	Switching	Vdc - max.	200	300	175	175
Current	Breakdown	Vdc - min.	250	450	200	200
	Switching	A - max.	0.5	0.5	0.25	0.25
Resistance	Carry	A - max.	1.2	1.5	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Capacitance	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁷	10 ⁷
	Contact	pF - typ.	0.3	0.2	0.3	0.3
Temperature	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
Time	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							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	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	SELECT OPTION	CABLE LENGTH (in) mm				
1 Normally Open	12-18	(.748)	17-23	(.709)	22-28	(.630)	01	(3,94) 100				
2 High Voltage		19,0		18,0		16,0	02	(11,81) 300				
3 Change Over	15-20	(.650)	20-25	(.591)	25-30	(.531)	03	(19,69) 500	C	6.35mm fastons		
4 Normally Closed		16,5		15,0		13,5	04	(29,53) 750	D	AMP MTE 2.54mm pitch		
							05	(39,37) 1000	E	JST XHP 2.5mm pitch		

ORDERING INFORMATION

N.B. 57135 actuator sold separately

59135 - X - X - XX - X

Series 59135

Switch Type

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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