

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

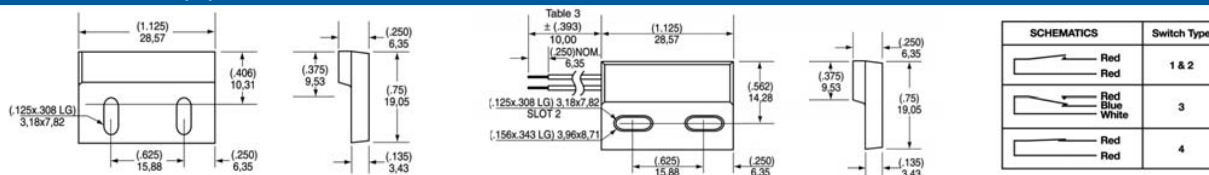
Benefits

- 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 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type						
Switch Type			1	2	3	4
	Power	Watt - max.	10	10	5	5
Voltage	Switching	Vdc - max.	200	300	175	175
	Breakdown	Vdc - min.	250	450	200	200
Current	Switching	A - max.	0.5	0.5	0.25	0.25
	Carry	A - max.	1.2	1.5	1.5	1.5
Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁹	10 ⁹
Capacitance	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 ULI130/UL1332		Termination Options:-		
									Standard Lengths		(2 WIRE VERSIONS ILLUSTRATED)		
Select Option	S		T		U		V		SELECT OPTION	DESCRIPTION			
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	Pull In AT Range	Activate Distance d (in) mm	A or F	Tinned or untinned leads			
1 Normally Open	12-18	(748)	17-23	(709)	22-28	(630)	27-33	(591)					
2 High Voltage		19.0		18.0		16.0		15.0	C	6.35mm fastons			
3 Change Over	15-20	(650)	20-25	(591)	25-30	(531)			D	AMP MTE 2.54mm pitch			
4 Normally Closed		16.5		15.0		13.5			E	JST XHP 2.5mm pitch			
									01	(3,94) 100			
									02	(11,81) 300			
									03	(19,69) 500			
									04	(29,53) 750			
									05	(39,37) 1000			

ORDERING INFORMATION

N.B. 57135 actuator sold separately



- Series 59135
- Switch Type — Table 1
- Sensitivity — Table 2
- Cable Length — Table 3
- Termination — Table 4

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