

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

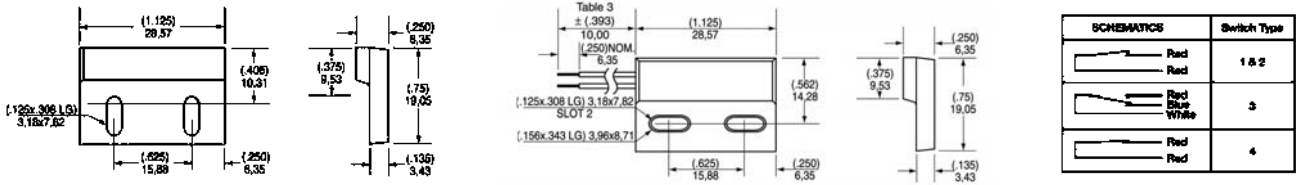
Benefits

- 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



SCHEMATICS	Switch Type
	1 & 2
	3
	4

CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type						
	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 ⁷	10 ⁷
Capacitance	Contact	pF - typ.	0.3	0.2	0.3	0.3
	Temperature					
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)		
Select Option 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	SELECT OPTION	CABLE LENGTH (in) mm	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)			
1 Normally Open	12-18	(.748)	17-23	(.709)	22-28	(.630)	27-33	(.591)	01 (3.94) 100	A or F	Tinned or untinned leads		
2 High Voltage		19.0		18.0		16.0			02 (11.81) 300	C	6.35mm fastons		
3 Change Over	15-20	(.650)	20-25	(.591)	25-30	(.531)			03 (19.69) 500	D	AMP MTE 2.54mm pitch		
4 Normally Closed		16.5		15.0		13.5			04 (29.53) 750	E	JST XHP 2.5mm pitch		
									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 1

Table 2

Table 3

Table 4

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