

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

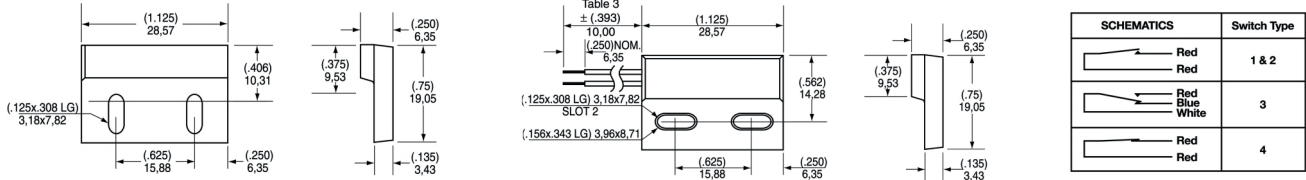
### Benefits

- 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



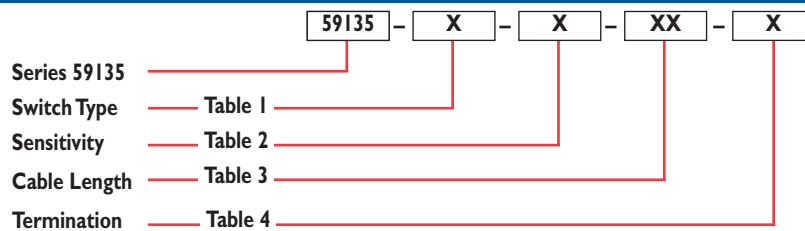
### CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			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 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	0.3	0.3
	Temperature	Operating	°C	-40 to +150	-20 to +150	-40 to +150
Time	Storage	°C	-65 to +150	-65 to +150	-65 to +150	-65 to +150
	Operate	ms - max.	1.0	1.0	3.0	3.0
Shock	Release	ms - max.	1.0	1.0	3.0	3.0
	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			
<b>Sensitivity Options:-</b> Activate Distances are approximate using Hamlin 57135 actuator as illustrated. Switch AT before modification.							<b>Cable Type:-</b> 20 AWG 19/32 Teflon ULI130/UL1332		<b>Termination Options:-</b>			
							Standard Lengths		<b>SELECT OPTION</b>	<b>DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)</b>		
<b>Select Option</b> <b>Switch Type</b>	<b>S</b> Pull In AT Range Activate Distance d (in) mm	<b>T</b> Pull In AT Range Activate Distance d (in) mm	<b>U</b> Pull In AT Range Activate Distance d (in) mm	<b>V</b> Pull In AT Range Activate Distance d (in) mm			<b>SELECT OPTION</b>	<b>CABLE LENGTH (in) mm</b>				
1 Normally Open	12-18 (748)	17-23 (709)	22-28 (630)	27-33 (591)			01	(3,94) 100				
2 High Voltage	19,0	18,0	16,0	15,0			02	(11,81) 300				
3 Change Over	15-20 (650)	(591)	(531)				03	(19,69) 500				
4 Normally Closed	16,5	15,0	13,5				04	(29,53) 750				
							05	(39,37) 1000				

### ORDERING INFORMATION



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