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Jameco Part Number 1822196

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

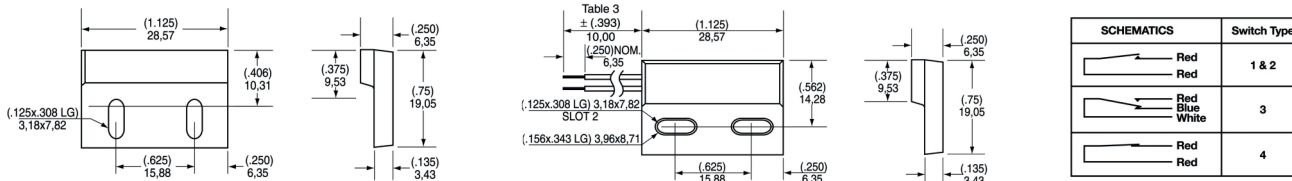
### Benefits

- 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



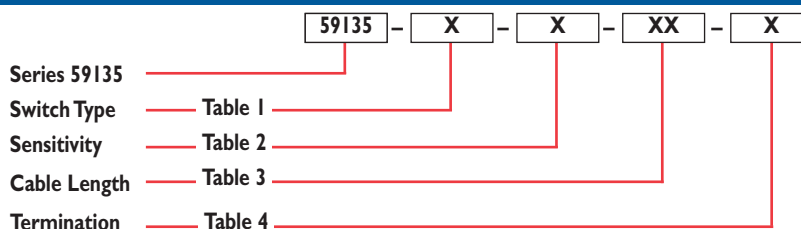
### CUSTOMER OPTIONS - Switching Specifications

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>7</sup>	10 <sup>7</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	-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	
<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 FEP UL1130/UL1332		<b>Termination Options:-</b>	
								Standard Lengths		<b>SELECT OPTION</b> <b>DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)</b>	
<b>Select Option</b>	<b>S</b>		<b>T</b>		<b>U</b>		<b>V</b>		A or F	Tinned or untinned leads	
<b>Switch Type</b>	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	B	Crimped terminals	
1 Normally Open	12-18	(748)	17-23	(709)	22-28	(630)	27-33	(591)	C	6.35mm fastons	
2 High Voltage		19.0		18.0		16.0		15.0	D	AMP MTE 2.54mm pitch	
3 Change Over	15-20	(650)	20-25	(591)	25-30	(531)			E	JST XHP 2.5mm pitch	
4 Normally Closed		16.5		15.0		13.5					
									01	(3,94) 100	
									02	(11,81) 300	
									03	(19,69) 500	
									04	(29,53) 750	
									05	(39,37) 1000	

### ORDERING INFORMATION



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