

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

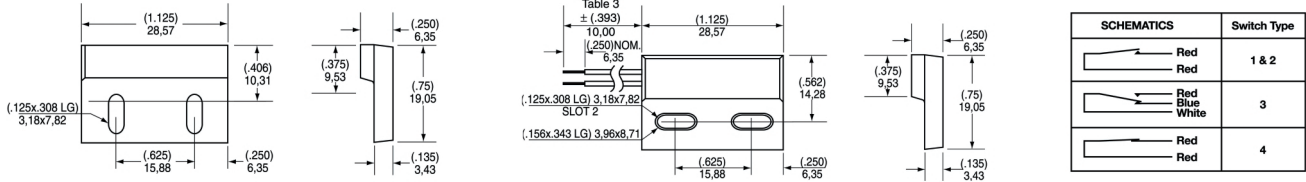
Benefits

- 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



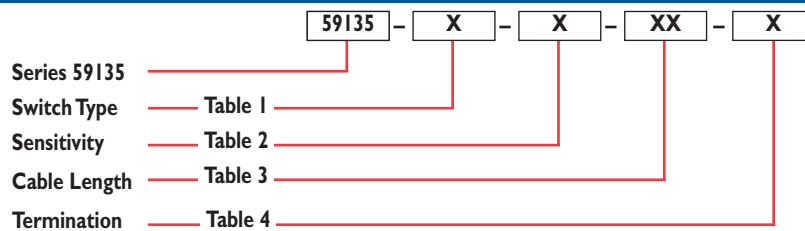
CUSTOMER OPTIONS - Switching Specifications

| 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 ¹⁰ | 10 ¹⁰ | 10 ⁷ | 10 ⁷ |
| 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 | |
|---|-------------|-------------|-------------|-------------|----------------------|-----------------------------|--------|--|--|---|--|
| 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 | S | T | U | V | SELECT OPTION | CABLE LENGTH (in) mm | | | | | |
| 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 | 15,0 | 02 | (11,81) 300 | B | Crimped terminals | | | |
| 3 Change Over | 15-20 (650) | (591) | (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



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