

File E61760(N) 59135 High Temperature Flange Mount Features and Benefits



Features

- 2 Part Magnetically Operated Proximity Sensor
- High temperature, rated to 200°C
- Cross-slotted mounting holes for optimum adjustability
- Standard, high voltage or change over contacts
- 300mm (12") Teflon leads

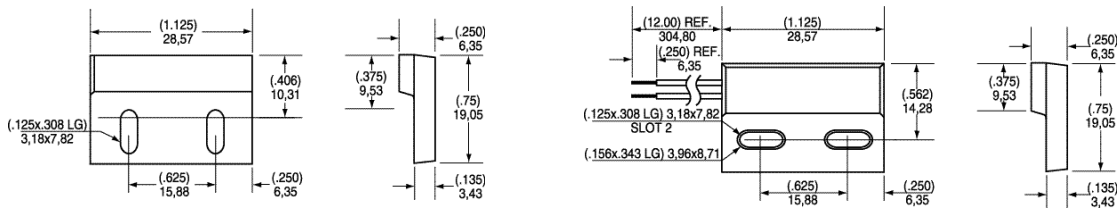
Benefits

- 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



Recommended Activating Positions:



| Sensors and Matching Actuators (Note 2) | | Actuator | | Sensor | |
|---|--------------|-----------|-----------|-----------|-----------|
| Must Actuate | Must Release | | | | |
| .350 (8,89) | 1.15 (29,21) | 57135-000 | 59135-010 | 59135-020 | 59135-030 |

| Electrical Specifications and Operating Characteristics | | | Form A | Form A | Form C |
|---|------------------|-------------|---------------------|-------------------------|---------------------|
| Contact Type | | | SST-NO Standar d | SST-NO High Volta ge | SPT-CO Standar d |
| Contact Rating | | Watt - max. | 10 | 10 | 5 |
| Voltage | Switching | Vdc - max. | 200 | 300 | 175 |
| | Breakdown | Vdc - min. | 250 | 450 | 200 |
| Current | Switching | A - max. | 0.5 | 0.5 | 0.25 |
| | Carry | A - max. | 1.2 | 1.5 | 1.5 |
| Resistance | Contact, Initial | Ω - max. | 0.2 | 0.2 | 0.2 |
| | Insulation | Ω - min. | 10 ¹⁰ | 10 ¹⁰ | 10 ⁷ |
| Capacitance | Contact | p F - typ. | 0.3 | 0.2 | 0.3 |
| Temperature | Operating | °C | -40 to + 105 | -20 to + 105 | -40 to + 105 |
| | Storage | °C | -65 to + 105 | -65 to + 105 | -65 to + 105 |
| Time | Operate | ms - typ. | 1.0 | 1.0 | 1.0 |
| | Release | ms - typ. | 1.0 | 1.0 | 1.0 |
| Shock | 11ms 1/2 sine | G - max. | 100 | 100 | 50 |
| Vibration | 50-2000 Hz | G - max. | 30 | 30 | 30 |

- Notes: 1. Flying Leads **59135-010, 59135-020** 20 AWG 19x32 teflon insulated, 200 degree C, 300 vdc, UL1180/UL1332
59135-030 material same as above, colors white—common, red—normally open, blue—normally closed
 2. Order Actuators as a separate item.
 3. Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.

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