

59060 Stainless Steel Threaded Barrel Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Stainless steel threaded barrel with retaining nuts
- M8 thread
- Choice of normally open or high voltage contacts
- Customer defined sensitivity
- Choice of cable length and connector

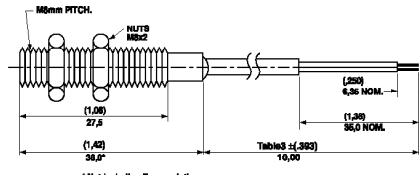
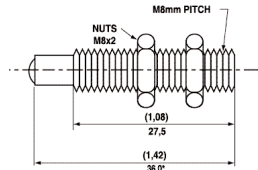
Benefits

- Robust construction makes this sensor well suited to harsh industrial environments
- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium

Applications

- Position and limit
- Security systems
- Linear actuator
- Industrial process control

DIMENSIONS (in) mm



| TERMINATION | Switch Type | Table 1 |
|-------------------|-------------|---------|
| Tinned leads | A | 1 |
| Crimped terminals | B | 2 |
| 6.35mm fastons | C | 3 |

CUSTOMER OPTIONS - Switching Specifications

| TABLE 1 | | | Normally Open | Normally Open High Voltage | Change Over | Normally Closed |
|--------------|------------------|-------------|------------------|----------------------------|-----------------|-----------------|
| Contact Type | | | 1 | 2 | 3 | 4 |
| Switch Type | | | | | | |
| Voltage | Power | Watt - max. | 10 | 10 | 5 | 5 |
| | Switching | Vdc - max. | 200 | 300 | 175 | 175 |
| Current | Breakdown | Vdc - min. | 250 | 450 | 200 | 200 |
| | Switching | A - max. | 0.5 | 0.5 | 0.25 | 0.25 |
| Resistance | Carry | A - max. | 1.2 | 1.5 | 1.5 | 1.5 |
| | Contact, Initial | Ω - max. | 0.2 | 0.2 | 0.2 | 0.2 |
| Capacitance | Insulation | Ω - min. | 10 ¹⁰ | 10 ¹⁰ | 10 ⁷ | 10 ⁷ |
| | Contact | pF - typ. | 0.3 | 0.2 | 0.3 | 0.3 |
| Temperature | Operating | °C | -40 to +105 | -20 to +105 | -40 to +105 | -40 to +105 |
| | Storage | °C | -65 to +105 | -65 to +105 | -65 to +105 | -65 to +105 |
| Time | Operate | ms - max. | 1.0 | 1.0 | 3.0 | 3.0 |
| | Release | ms - max. | 1.0 | 1.0 | 3.0 | 3.0 |
| Shock | 1 ms 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 | | | | | | | | |
|---|------------------|-----------------------------|------------------|-----------------------------|------------------|-----------------------------|------------------|-----------------------------|
| Sensitivity Options:- Activate Distances are approximate using Hamlin 57060 actuator as illustrated Switch AT before modification | | | | | | | | |
| Select Option | S | | T | | U | | V | |
| Switch Type | 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 |
| 1 Normally Open | 12-18 | (.472) | 17-23 | (.354) | 22-28 | (.276) | 27-33 | (.217) |
| 2 High Voltage | | 12.0 | | 9.0 | | 7.0 | | 5.5 |
| 3 Change Over | 15-20 | (.413) | 20-25 | (.295) | 25-30 | (.236) | | |
| 4 Normally Closed | | 10.5 | | 7.5 | | 6.0 | | |

| TABLE 3 | |
|---|----------------------|
| Cable Type:- 24 AWG 7/32 PVC 105°C DOUBLE INSULATED | |
| Standard Lengths | |
| SELECT OPTION | CABLE LENGTH (in) mm |
| 01 | (3.94) 100 |
| 02 | (11.81) 300 |
| 03 | (19.69) 500 |
| 04 | (29.53) 750 |
| 05 | (39.37) 1000 |

| TABLE 4 | | |
|-----------------------|---|--|
| Termination Options:- | | |
| SELECT OPTION | DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED) | |
| A | Tinned leads | |
| B | Crimped terminals | |
| C | 6.35mm fastons | |

ORDERING INFORMATION

59060 - X - X - XX - X

Series 59060

Switch Type

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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