

MS-390-3



MS-390-3

Snap-fit Miniature Reed Sensor

Electrical Characteristics @ 25 °

| | | |
|---------------------------------|--------|------------------|
| Contact form | | A |
| Contact rating max. | W / VA | 10 |
| Switching voltage max. | VDC | 200 |
| | VAC | 140 |
| Switching current max. | A | 1 |
| Carry current max. | A | 1.2 |
| Breakdown voltage min. | VDC | 240 |
| Total resistance max. (initial) | mΩ | 180 |
| Insulation resistance min. | Ω | 10 ¹⁰ |

Features

- Easily mountable and removable as no tools or screws required
- Various sensitivity ranges available
- Customized types available

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °

| | | |
|--------------------------|------|---------|
| Pull in range available | AT | 10 - 25 |
| Drop out min. | AT | 4 |
| Test coil | TC - | 014 |
| Test equipment tolerance | ± AT | 2 |

Operating Characteristics (of unmodified Reed Switch) @ 25 °

| | | |
|----------------------------------|----|------|
| Switching frequency max. | Hz | 500 |
| Resonant frequency typ. | Hz | 4000 |
| Operate time max. (incl. bounce) | ms | 1 |
| Release time max. | ms | 0.4 |

Approvals



Contact PIC for Agency Ratings!

Environmental Characteristics

| | | |
|------------------------|----|-------------|
| Operating temperature | °C | -20 to + 85 |
| Vibration (50-2000 Hz) | g | 20 |
| Shock (1/2 sin 11 ms) | g | 100 |

Ordering Information

| | |
|--------------------|--------|
| Packing Unit | 25 pcs |
| Weight per piece | 6.2 g |
| Weight per package | 170 g |
| Standard AT Ranges | |

- 1 = 10 to 15 AT
- 2 = 15 to 20 AT
- 3 = 20 to 25 AT

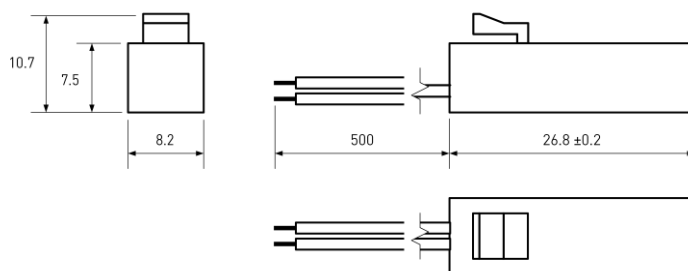
Ordering Example

MS-390-3-2-0500 describes MS-390-3 with 15 to 20 AT.

Remarks

When mounted onto ferromagnetic parts switching distance of MS-390-3 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Dimensions in mm



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Material Information

| | Material | Colour |
|------------------|---|--------|
| Housing | PC | black |
| Cable | UL 1007, AWG 22, 4 mm stripped and tinned | black |
| Potting compound | Epoxy | black |