

MS-216-3



MS-216-3

Standard Reed Sensor

| Electrical Characteristics | | @ 25 °C |
|---------------------------------|--------|------------------|
| 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 | 200 |
| Insulation resistance min. | Ω | 10 ¹⁰ |

| Features |
|--|
| ➤ Compact size |
| ➤ Mechanically protected |
| ➤ Replaces various competitors types |
| ➤ Various sensitivity ranges available |

| Magnetical Characteristics (of unmodified Reed Switch) | | @ 25 °C |
|--|------|---------|
| Pull in range available | AT | 10 - 25 |
| Drop out min. | AT | 4 |
| Test coil | TC - | 014 |
| Test equipment tolerance | ± AT | 2 |

| Approvals |
|-----------|
| |
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| |
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| Operating Characteristics (of unmodified Reed Switch) | | @ 25 °C |
|---|----|---------|
| Switching frequency max. | Hz | 500 |
| Resonant frequency typ. | Hz | 4000 |
| Operate time max. (incl. bounce) | ms | 1 |
| Release time max. | ms | 0.4 |

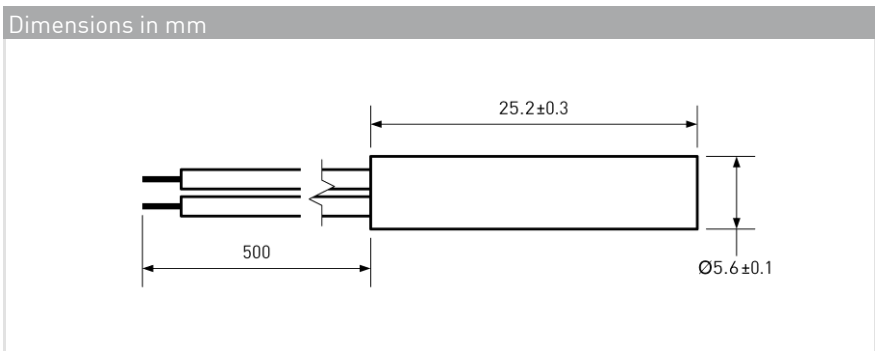
| Environmental Characteristics | | |
|-------------------------------|----|-------------|
| Operating temperature | °C | -20 to + 85 |
| Vibration (50-2000 Hz) | g | 20 |
| Shock (1/2 sin 11 ms) | g | 100 |

| Ordering Information | |
|----------------------|--------|
| Packing Unit | 50 pcs |
| Weight per piece | 4.4 g |
| Weight per package | 230 g |
| Standard AT Ranges | |

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

Ordering Example
MS-216-3-2 describes MS-216-3 with 15 to 20 AT.

Remarks
When mounted onto ferromagnetic parts switching distance of MS-216-3 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.



| Material Information | | |
|----------------------|--|--------|
| | Material | Colour |
| Housing | ABS | black |
| Cable | UL 1007/1569, AWG 24, 4 mm stripped and tinned | black |
| Potting compound | Epoxy | black |