

MS-217-6







MS-217-6

Power Reed Sensor

| Electrical Characteristics | | @ 25 °C |
|---------------------------------|--------|------------------|
| Contact form | | A |
| Contact rating max. | W / VA | 50 |
| Switching voltage max. | VDC | 200 |
| | VAC | 250 |
| Switching current max. | A | 1.5 |
| Carry current max. | A | 2 |
| Breakdown voltage min. | VDC | 400 |
| Total resistance max. (initial) | mΩ | 200 |
| Insulation resistance min. | Ω | 10 ¹⁰ |

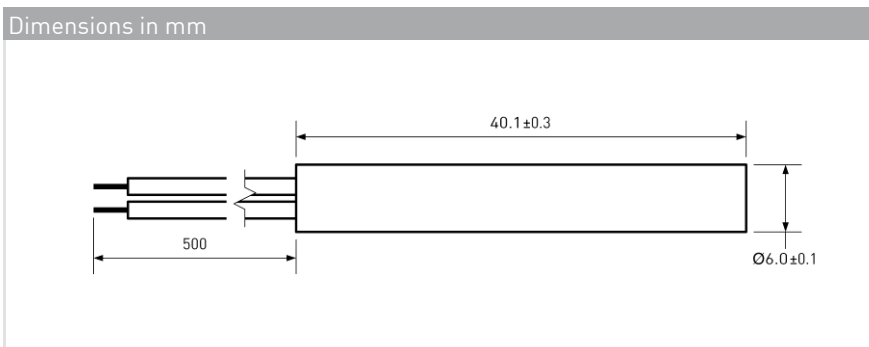
| Features |
|--|
| ➤ Sensor with Power Reed Switch |
| ➤ Not ESD sensitive |
| ➤ Various sensitivity ranges available |
| ➤ Customized types available |

| Magnetical Characteristics (of unmodified Reed Switch) | | @ 25 °C |
|--|------|---------|
| Pull in range available | AT | 25 - 40 |
| Drop out min. | AT | 5 |
| Test coil | TC | 020 |
| Test equipment tolerance | ± AT | 2 |

| Approvals |
|---|
|  |
|  |
|  |
|  |

| Operating Characteristics (of unmodified Reed Switch) | | @ 25 °C |
|---|----|---------|
| Switching frequency max. | Hz | 300 |
| Resonant frequency typ. | Hz | 2600 |
| 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 | 50 |



| Ordering Information | |
|---|-----------------|
| Packing Unit | 50 pcs |
| Weight per piece | 5.4 g |
| Weight per package | 280 g |
| Standard AT Ranges | |
| | 4 = 25 to 30 AT |
| | 5 = 30 to 35 AT |
| | 6 = 35 to 40 AT |
| Ordering Example | |
| MS-217-6-4 describes MS-217-6 with 25 to 30 AT. | |

MS-217-6

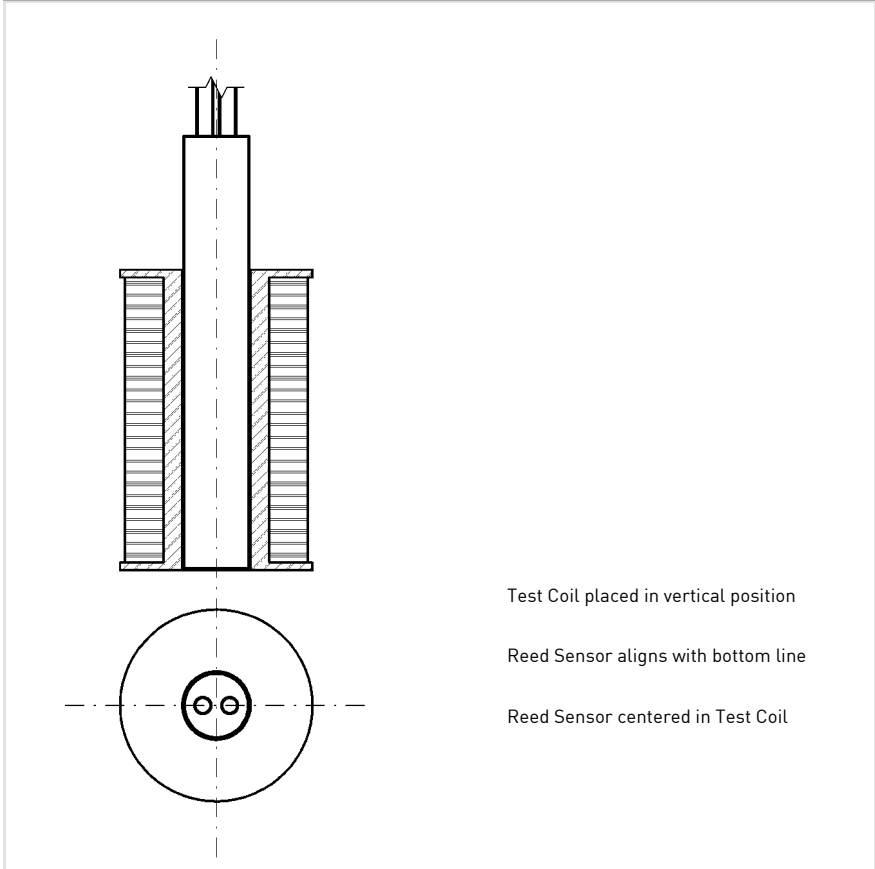


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Material Information

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

Test Procedure of final Reed Sensor



- Test Coil placed in vertical position
- Reed Sensor aligns with bottom line
- Reed Sensor centered in Test Coil

Test Parameters

| | |
|---------------|--------------|
| Test coil | TC-093 |
| Test programs | |
| AT range | Test program |
| 4 = | MS-217-6-4 |
| 5 = | MS-217-6-5 |
| 6 = | MS-217-6-6 |

Remarks

When mounted onto ferromagnetic parts switching distance of MS-217-6 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.