

MS-324-7



MS-324-7

Normally Closed Reed Sensor

Electrical Characteristics @ 25 °C

| | | |
|---------------------------------|--------|-----------------|
| Contact form | | B |
| Contact rating max. | W / VA | 5 |
| Switching voltage max. | VDC | 175 |
| | VAC | 120 |
| Switching current max. | A | 0.25 |
| Carry current max. | A | 1.5 |
| Breakdown voltage min. | VDC | 200 |
| Total resistance max. (initial) | mΩ | 200 |
| Insulation resistance min. | Ω | 10 ⁹ |

Features

- Adjustable switching point
- Customized types available
- Non pole oriented actuation
- Various sensitivity ranges available

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °C

| | | |
|--------------------------|------|---------|
| Pull in range available | AT | 15 - 30 |
| Drop out min. | AT | 5 |
| Test coil | TC | 200 |
| Test equipment tolerance | ± AT | 2 |

Approvals

RoHS

REACH



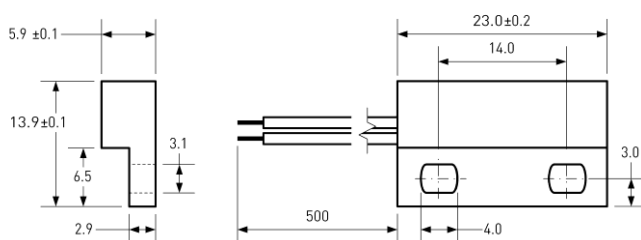
Operating Characteristics (of unmodified Reed Switch) @ 25 °C

| | | |
|----------------------------------|----|------|
| Switching frequency max. | Hz | 100 |
| Resonant frequency typ. | Hz | 1100 |
| Operate time max. (incl. bounce) | ms | 0.7 |
| Release time max. | ms | 1 |

Environmental Characteristics

| | | |
|------------------------|----|------------|
| Operating temperature | °C | -20 to +85 |
| Vibration (50-2000 Hz) | g | 30 |
| Shock (1/2 sin 11 ms) | g | 50 |

Dimensions in mm



Ordering Information

| | |
|--------------------|-----------------|
| Packing Unit | 50 pcs |
| Weight per piece | 5.3 g |
| Weight per package | 270 g |
| Standard AT Ranges | |
| | 2 = 15 to 20 AT |
| | 3 = 20 to 25 AT |
| | 4 = 25 to 30 AT |

Ordering Example

MS-324-7-2 describes MS-324-7 with 15 to 20 AT

MS-324-7



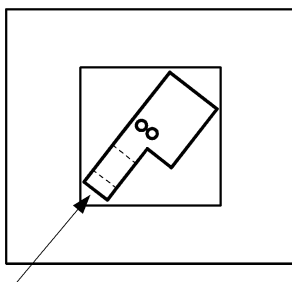
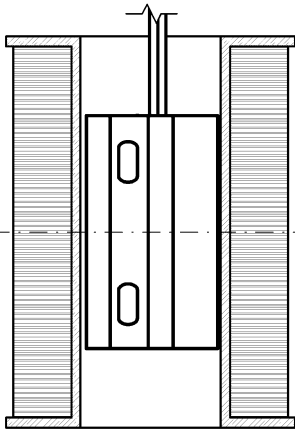
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Normally Closed Reed Sensor

Material Information

| | Material | Colour |
|------------------|--|--------|
| Housing | ABS | black |
| Cable | UL 1007/1569, AWG 26, 4 mm stripped and tinned | black |
| Potting compound | Epoxy | black |

Test Procedure of final Reed Sensor



Test Coil placed in vertical position

Reed Sensor centered in Test Coil

Reed Sensor pushed into opposite corner of Test Coil

Test Parameters

| | |
|---------------|--------------|
| Test coil | TC- 324 |
| Test programs | |
| AT range | Test program |
| 2 = | MS-324-7-2 |
| 3 = | MS-324-7-3 |
| 4 = | MS-324-7-4 |

Remarks

When mounted onto ferromagnetic parts switching distance of MS-324-7 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Only non-ferromagnetic screws to be used for mounting.

Matching actuator MSM-324 available as well.

Product image serves as example only.