PIC
SWITCHING THE SMART WAY


# MS-108-5

Mains switching Reed Sensor
pitch 20.32 mm

## Electrical Characteristics @ 25 °C

| | | |
|---|---|---|
| Contact form | | A |
| Contact rating max. | W / VA | 10 |
| Switching voltage max. | VDC | 200 |
| | VAC | 260 |
| Switching current max. | A | 0.3 |
| Carry current max. | A | 1.4 |
| Breakdown voltage min. | VDC | 400 |
| Total resistance max. (initial) | mΩ | 100 |
| Insulation resistance min. | Ω | $10^{10}$ |

## Features

- Mechanically protected
- Mains switch inside
- Various sensitivity ranges available
- Customized types available

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

| | | |
|---|---|---|
| Pull in range available | AT | 15 - 30 |
| Drop out min. | AT | 4 |
| Test coil | TC - | 200 |
| Test equipment tolerance | ± AT | 2 |

## Approvals

RoHS
REACH
IP67
c UL us

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

| | | |
|---|---|---|
| Switching frequency max. | Hz | 400 |
| Resonant frequency typ. | Hz | 4000 |
| Operate time max. (incl. bounce) | ms | 0.6 |
| Release time max. | ms | 0.2 |

## Environmental Characteristics

| | | |
|---|---|---|
| Operating temperature | °C | -20 to + 85 |
| Vibration (50-2000 Hz) | g | 30 |
| Shock (1/2 sin 11 ms) | g | 100 |

## Ordering Information

| | | |
|---|---|---|
| Packing Unit | 500 | pcs |
| Weight per piece | 0.42 | g |
| Weight per package | 255 | g |

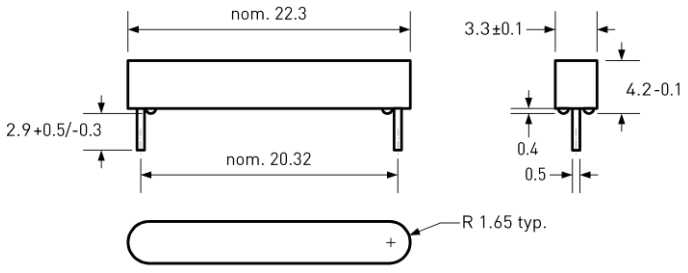
Standard AT Ranges

2 = 15 to 20 AT
3 = 20 to 25 AT
4 = 25 to 30 AT

Ordering Example

MS-108-5-2 describes MS-108-5 with 15 to 20 AT.

## Dimensions in mm




## Remarks

When mounted onto ferromagnetic parts switching distance of MS-108-5 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

## Material Information

| | Material | Colour |
|---|---|---|
| Housing | PA-GF | black |
| Potting compound | Epoxy | black |





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