PIC GMBH
KONTAKTBAUELEMENTE
PROXIMITY INSTRUMENTATION CONTROLS

# MS-228-6

## Mains switching Reed Sensor • M8 thread

Lead free

## Electrical Characteristics

| | | |
|---|---|---|
| **Contact form** | | A |
| **Contact rating max.** | W / VA | 50 |
| **Switching current max.** | A | 1.5 |
| **Carry current max.** | A | 2.0 |
| **Switching voltage max.** | VDC | 200 |
| | VAC | 250 |
| **Breakdown voltage min.** | VDC | 400 |
| **Contact resistance (initial) max.** | mΩ | 100 |
| **Insulation resistance min.** | Ω | $10^{10}$ |
| **Capacitance typ.** | pF | 0.5 |

## Magnetical Characteristics

| | | |
|---|---|---|
| **Pull in range available** [1] | AT | 25-40 |

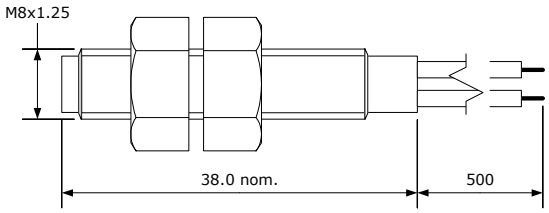
[1] AT range stated for **unmodified** Reed Switch

## Operating Characteristics

| | | |
|---|---|---|
| **Operate time (incl. bounce) max.** | ms | 1.0 |
| **Release time max.** | ms | 0.4 |
| **Switching frequency max.** | Hz | 300 |
| **Resonant frequency typ.** | Hz | 2,600 |
| **Vibration (50-2000 Hz)** | g | 20 |
| **Shock (1/2 sin 11 ms)** | g | 50 |
| **Operating temperature** | °C | -20 to +85 |

## Dimensions

in mm




Wire: AWG 24, black, stripped and tinned

## Ordering Information

| Series | AT Range |
|---|---|
| MS-228-6 | **3** = 20-25 / **4** = 25-30 / **5** = 30-35 / **6** = 35-40 |

**Ordering example:** MS-228-6-4 describes MS-228-6 with 25-30 AT

**Customized types available.**

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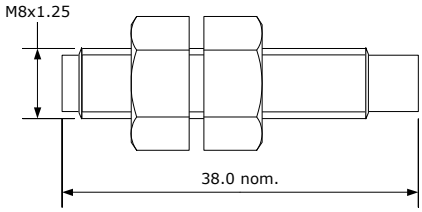
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## Matching Actuator MSM-228

in mm




**Customized types and other magnet orientations available.**