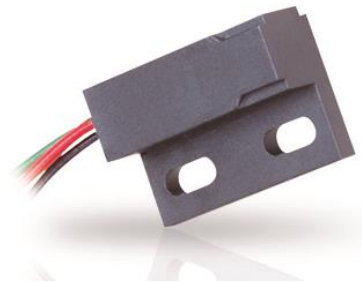


Magnetic Proximity Sensors (Reed)

MP2018 Sensors

Reed based magnetic proximity sensor
in plastic flange-mount package



Description

The MP2 Series sensors are reed position sensors. Normally open or closed contacts change states when a magnetic field is applied. The sensors act as non-latching electrical switches.

Features

- Contacts hermetically sealed for long life
- Zero power consumption
- Suitable for DC and AC circuits
- Flange mount
- RoHS compliant
- IP65
- Operate/Release Distances*: 6.35 mm – 17.8 mm (0.25" – 0.7")

Typical Applications

- Door position & interlock
- Limit switch
- Flow/speed
- Home security
- Pedal switch

Environmental Specifications

| | |
|-----------------------|--|
| Vibration | 20 g 10 Hz to 1 kHz (MP201801) 20 g 10 Hz to 55 Hz (MP201802) |
| Operating Temperature | -40 °C to 105 °C (-40 °F to 221 °F) |
| Storage Temperature | -40 °C to 105 °C (-40 °F to 221 °F) |
| Ingress Protection | IP65 |

Electrical Specifications

| | |
|--------------------------------------|--------------------|
| Typical Operating Time | 1 ms |
| Breakdown Voltage | 200 VDC min. |
| Switching Voltage and Current | See Products chart |
| Contact Resistance and Power rating: | See Products chart |

Mechanical Specifications

| | |
|----------------------------------|----------------------------------|
| Housing Material | Glass-reinforced plastic |
| Operate/Release Distances* | 6.35 mm – 17.8 mm (0.25" – 0.7") |
| *with AS201801 magnetic actuator | |

Products

| Part Number | Contact Form | Maximum Power Rating | Maximum Switching Voltage | Maximum Switching Current | Maximum Contact Resistance |
|-------------|-------------------|----------------------|---------------------------|---------------------------|----------------------------|
| MP201801 | SPST-NO Form A | 10 W | 175 VAC/VDC | 0.5 A | 0.200 Ω |
| MP201802 | SPST-NC Form B | 3 W | 30 VAC/VDC | 0.2 A | 0.100 Ω |

All MP2018 sensors come with leads 24 AWG x 305 mm (12")

Dimensions mm (inches)

MP201801 (Form A - N.O.) and MP201802 (Form B - N.C.)

