



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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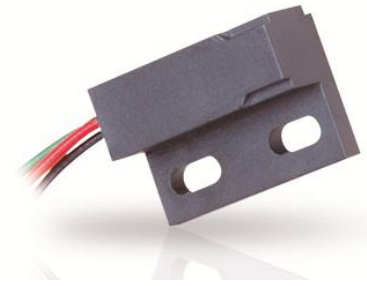
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Magnetic Proximity Sensors (Reed)

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 |

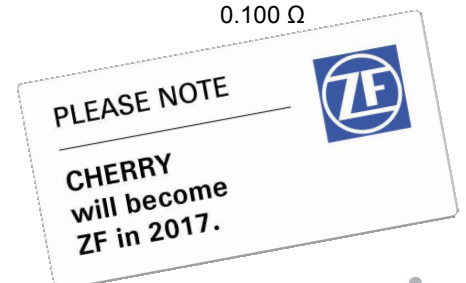
Mechanical Specifications

| | |
|----------------------------------|----------------------------------|
| 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.)

