

MAGNETIC SENSOR

MP2007 Series



Reed-based magnetic proximity sensor in aluminum threaded housing.

Features

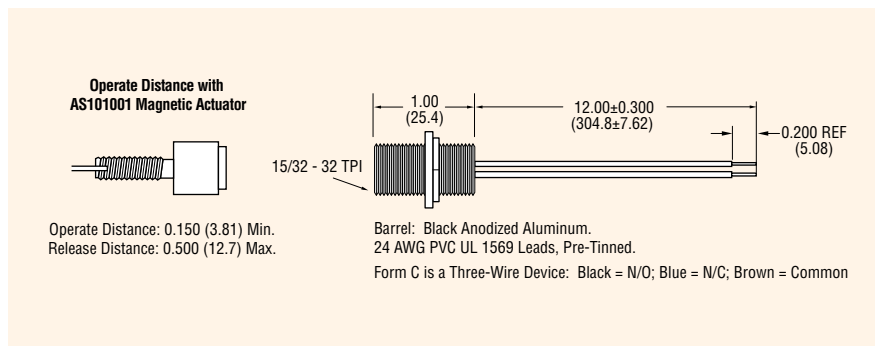
- Zero power consumption
- Suitable for DC and AC circuits
- Contacts hermetically sealed for long life

Specifications

Part Number	Contact Form	Power Rating (W max.)	Switching Voltage (VDC max.)	Breakdown Voltage (VDC min.)	Switching Current (Amps max.)	Contact Resistance (Ohms max.)	Operating Temp Range (°C)	Operate Time (msec typical)
MP200701	SPST-NO Form A	10	100	200	0.5	0.200	-40 to 105	0.6
MP200702	SPST-NC Form B	3	30	200	0.2	0.200	-40 to 105	1.0
MP200703	SPDT-CO Form C	3	30	200	0.2	0.200	-40 to 105	1.0

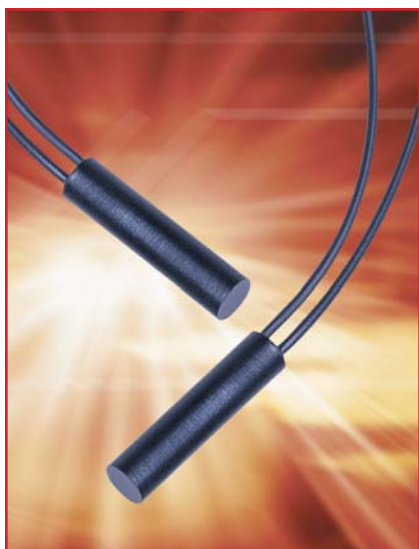
Dimensions inches (mm)

All tolerances ±0.005 (0.13) unless otherwise noted.



MAGNETIC SENSOR IN CYLINDRICAL PLASTIC HOUSING

MP2017 Series



Reed-based magnetic sensor encapsulated in smooth plastic barrel.

Features

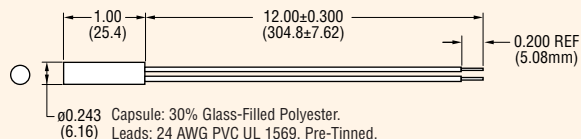
- Hermetically sealed contacts for long life
- Zero power consumption
- Available in a variety of standard contact configurations
- Resistant to moisture and dirt
- A standard magnetic actuator is available in the same housing (Cherry part number AS201701)

Specifications

Part Number	Contact Form	Power Rating (W max.)	Switching Voltage (VDC max.)	Breakdown Voltage (VDC min.)	Switching Current (Amps max.)	Contact Resistance (Ohms max.)	Operating Temp Range (°C)	Operate Time (msec typical)
MP201701	SPST-NO Form A	10	100	200	0.5	0.200	-40 to 105	0.6
MP201702	SPST-NC Form B	3	30	200	0.2	0.200	-40 to 105	1.0
MP201703	SPDT-CO Form C	3	30	200	0.2	0.200	-40 to 105	1.0

Dimensions inches (mm)

All tolerances ± 0.005 (0.13) unless otherwise noted.



Form C is a Three-Wire Device: Black = N/O; Blue = N/C; Brown = Common

Operate Distance with AS201701 Magnetic Actuator



Operate Distance: 0.150 (3.81) Min.
Release Distance: 0.500 (12.7) Max.

MAGNETIC SENSOR

MP2018 Series



Reed-based magnetic proximity sensor in plastic flange-mount package.

Features

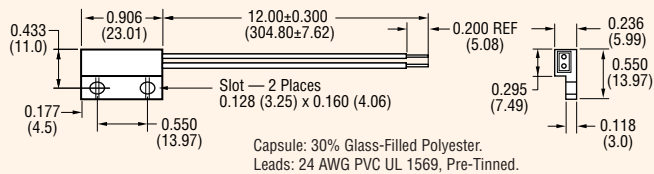
- Contacts hermetically sealed for long life
- Zero power consumption
- Resistant to moisture and dirt
- A standard magnetic actuator is available in the same housing (Cherry part number AS201801)

Specifications

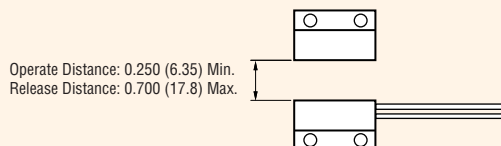
Part Number	Contact Form	Power Rating (W max.)	Switching Voltage (VDC max.)	Breakdown Voltage (VDC min.)	Switching Current (Amps max.)	Contact Resistance (Ohms max.)	Operating Temp Range (°C)	Operate Time (msec typical)
MP201801	SPST-NO Form A	10	100	200	0.5	0.200	-40 to 105	0.6
MP201802	SPST-NC Form B	3	30	200	0.2	0.200	-40 to 105	1.0

Dimensions inches (mm)

All tolerances ±0.005 (0.13) unless otherwise noted.



Operate Distance with AS201801 Magnetic Actuator



MAGNETIC SENSOR

MP2019 Series



Reed-based magnetic proximity sensor in plastic flange-mount package.

Features

- Immune to hostile environments
- Contacts hermetically sealed for long life
- Suitable for DC and AC circuits
- Zero power consumption
- A standard magnetic actuator is available in the same housing (Cherry part number AS201901)

Specifications

Part Number	Contact Form	Power Rating (W max.)	Switching Voltage (VDC max.)	Breakdown Voltage (VDC min.)	Switching Current (Amps max.)	Contact Resistance (Ohms max.)	Operating Temp Range (°C)	Operate Time (msec typical)
MP201901	SPST-NO Form A	10	100	200	0.5	0.200	-40 to 105	0.6
MP201902	SPST-NC Form B	3	30	200	0.2	0.200	-40 to 105	1.0
MP201903	SPDT-CO Form C	3	30	200	0.2	0.200	-40 to 105	1.0

Dimensions inches (mm)

All tolerances ±0.005 (0.13) unless otherwise noted.

