

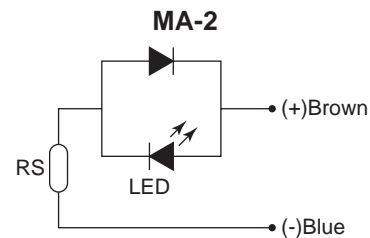
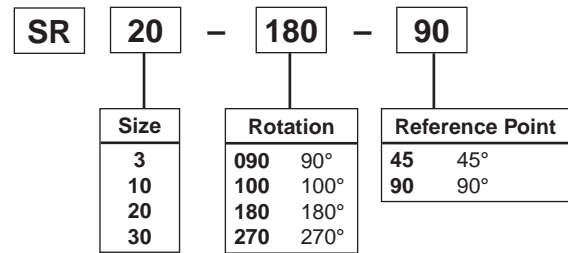
Fixed Position Sensor

Specifications

Part Number See Model Code
 Type of Sensor Solid State
 Application Relay, PLC, IC Circuit
 Output Method NPN
 Load Voltage 5 to 30VDC
 Load Current 5 to 200 mA
 Max. Power Consumption
 of Switch Control Max. 200 mA at 24V
 Max. Leak Current Max. 10 μ A
 Internal Voltage Drop 1.5VDC or Less
 Mean Response Time 1 ms
 Shock Resistance 490 m/s²
 Ambient Temperature 5 to 60°C
 Enclosure Rating IP67
 Hysteresis Approximately 2°
 Response Range 15° +/- 7°
 Lead Wire Length 1 meter

Model Code and Ordering Information

Example: SR20 - 180 - 90



Variable Position Sensor

Specifications

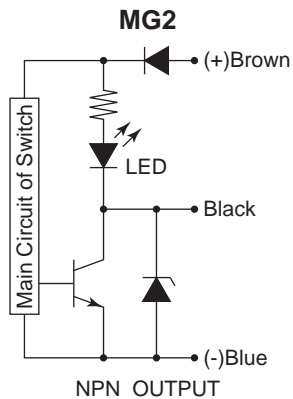
Type of Sensor Solid State
 Application Relay, PLC, IC Circuit
 Output Method NPN
 Load Voltage 5 to 30VDC
 Load Current 5 to 200 mA
 Max. Power Consumption of
 Switch Control Max. 200 mA at 24V
 Max. Leak Current Max. 10 μ A
 Internal Voltage Drop 1.5VDC
 Mean Response Time 1 ms
 Shock Resistance 490 m/s²
 Ambient Temperature 5 to 60°C
 Enclosure Rating IP67
 Hysteresis Approximately 2°
 Response Range 23° +/- 7°
 Lead Wire Length 1 meter

| Size | Part Number |
|------|-------------|
| 1 | FR-1PRN |
| 3 | FR-3PRN |
| 10 | FR-10PRN |
| 20 | FR-20PRN |
| 30 | FR-30PRN |

Solid State Sensors

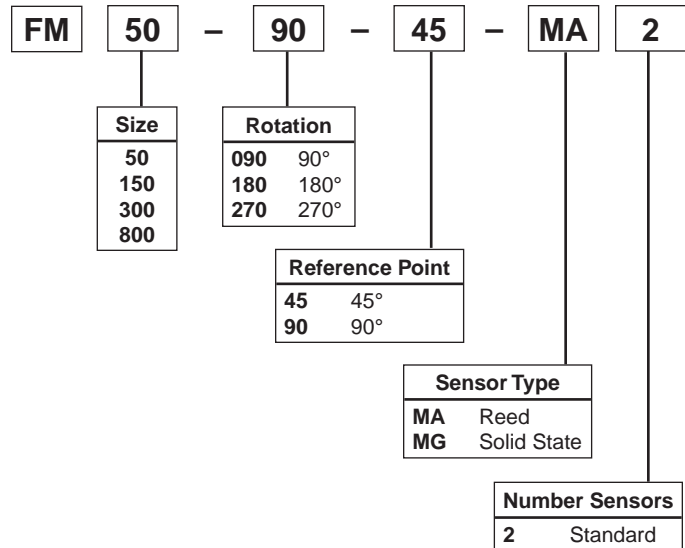
Specifications

Application Relay, PLC, IC Circuit
 Output Method NPN
 Load Voltage 5 to 30VDC
 Load Current 5 to 200 mA
 Max. Power Consumption
 of Switch Control Max. 20 mA at 24V
 Max. Leak Current Max. 10 µA
 Internal Voltage Drop 1.5V or Less
 Mean Response Time 1 ms
 Shock Resistance 490 m/s²
 Ambient Temperature 5 to 60°C
 Enclosure Rating IP67
 Indicator Light Red LED
 Lead Wire Length 1 meter



Model Code and Ordering Information

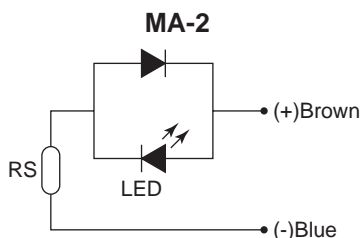
Example: FM50 - 90 - 45 - MA2



Reed Sensors

Specifications

Output Method NPN
 Load Current 5 to 45 mA
 Internal Voltage Drop 2V or Less
 Mean Response Time 1.0 ms
 Shock Resistance 294 m/s²
 Ambient Temperature 5 to 60°C
 Indicator Light Red LED
 Lead Wire Length 1 meter



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