



# Reed Contact Magnetic Sensors Ø 12



## REED CONTACT MAGNETIC PROXIMITY SENSORS

- Metal and plastic housing
- 2 mS delay on activation
- 2 m integral cable
- Choice of magnet targets

## SM Series

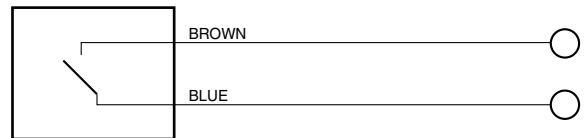


### Identification code

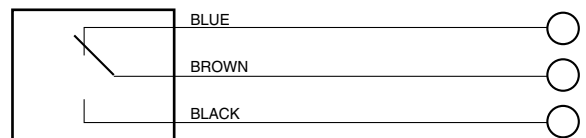
<b>SM</b>	<b>07</b>
SERIES SM	
NO - Length 30mm	<b>07</b>
NO + NC - Length 30mm	<b>08</b> <sup>(4)</sup>
POWER NO - Length 30mm	<b>09</b> <sup>(2)</sup>
POWER NO - Length 70mm	<b>13</b> <sup>(1)</sup>
POWER NO+NC - Length 70mm	<b>14</b> <sup>(3)</sup>
NO - Length 100mm - plastic	<b>19</b> <sup>(2)</sup>
POWER NO - Length 100mm - plastic	<b>21</b> <sup>(1)</sup>
BISTABLE - Length 100mm - plastic	<b>22</b> <sup>(3)</sup>

### Wiring diagrams

#### NO CONTACT



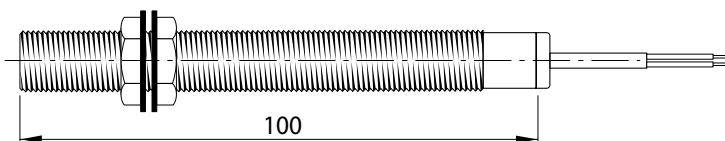
#### NO + NC CONTACT



MAX. VOLTAGE	230 V AC
MAX. CURRENT	0.5 A
POWER	10 W/VA
SWITCHING FREQUENCY	200 Hz
DELAY ON ACTIVATION	2 mS
REPEATABILITY	± 0.3 mm
TEMPERATURE LIMITS	-25 + +70°C
PROTECTION DEGREE	IP 67
CABLE LENGTH	2m
CABLE SECTION	3 x 0.50 mm <sup>2</sup>
HOUSING MATERIAL	Nickel-plated brass

- (1) Power: 100W; I=3A  
 (2) Power: 50W; I=1A  
 (3) Power: 60W; I=3A  
 (4) Power: 10W; I=0,5A; 175V

### Plastic housing models dimensions (mm)

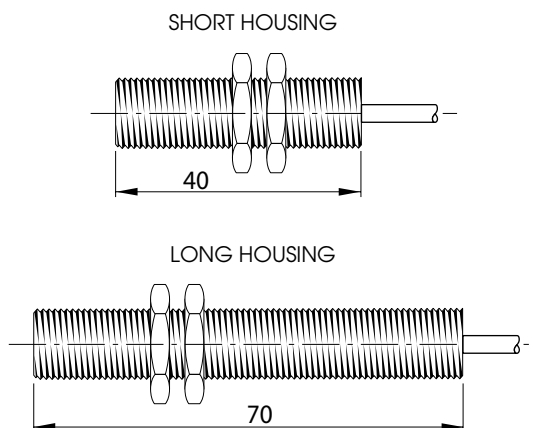


### Reed contact sensor / magnet switching distance (mm)

DIAMETER 12		
Distance	Hysteresis	
24 12 (Power)	5 7 (Power)	MG01
22 10 (Power)	5 6 (Power)	MG02
6 0 (Power)	2.5 0 (Power)	MG03
22 22 (Power)	9 9 (Power)	MG04
20 20 (Power)	9 9 (Power)	MG05

**WARNING:** The data specified in this table have an approximate value because they depend on the magnet position, on the material on which it is applied (ferromagnetic or not) and because they are related to the magnet during the frontal approach. Reed contact sensors can be also activated laterally considering that switching distances are always influenced by the magnet position and orientation besides the material on which it is applied (ferromagnetic or not).

### Metal housing models dimensions (mm)



### Magnets dimensions (mm)

