



# Reed Contact Magnetic Sensors Ø 18



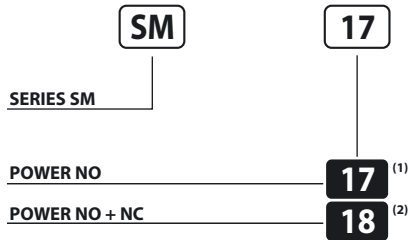
## REED CONTACT MAGNETIC PROXIMITY SENSORS

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

## SM Series

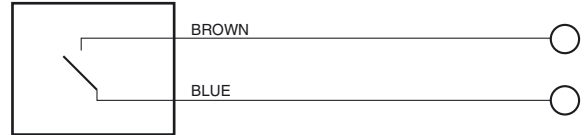


### Identification code

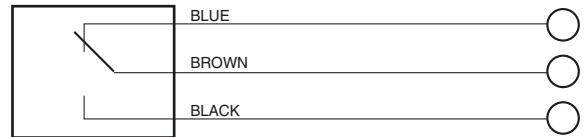


### Wiring diagrams

#### NO CONTACT



#### NO + NC CONTACT

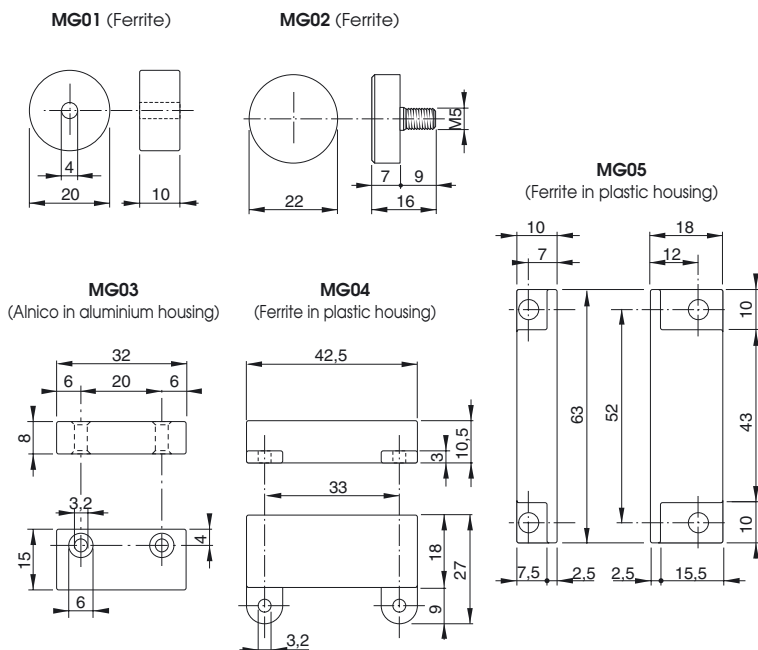


|                     |   |
|---------------------|---|
| MAX. VOLTAGE        | SM17 : 250Vpeak (I=0.4A) - SM18 : 250Vpeak (I=0.25A)    |
| MAX. CURRENT        | SM17 : 0.4 A (V=250V) - SM18 : 3 A (V=20V)              |
| POWER               | SM17 = 100W - SM18 = 60W                                |
| SWITCHING FREQUENCY | 200 Hz  |
| DELAY ON ACTIVATION | 2 mS  |
| REPEATABILITY       | ± 0.3 mm  |
| TEMPERATURE LIMITS  | -20 ÷ +60°C   |
| PROTECTION DEGREE   | IP 67   |
| CABLE LENGTH        | 2m  |
| CABLE SECTION       | SM17=2x0.5 mm <sup>2</sup> / SM18=3x0.5 mm <sup>2</sup> |
| HOUSING MATERIAL    | Nickel-plated brass                                     |

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

| Distance | Hysteresis | DIAMETER 18 |  |
|----------|------------|-------------|--|
|          |            |             |  |
| 12       | 7          | MG01        |  |
| 10       | 6          | MG02        |  |
| -        | -          | MG03        |  |
| 22       | 9          | MG04        |  |
| 20       | 9          | MG05        |  |

### Magnets dimensions (mm)



**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).

### Dimensions (mm)

