

## S-4

### MAGNETIC CONTACT

## 1. Features

- Surface mounted magnetic contact.
- Screw terminals eliminate wires splicing and soldering.
- Extra terminal for easy installation of EOL resistor inside the enclosure.
- Tamper contact.
- Spacers included.

## 2. Installation

The magnetic contact is designed for indoor installation. The switch should be mounted on a fixed surface (e.g. window or door frame), and the magnet on a movable surface (e.g. window or door). Mounting on ferromagnetic surfaces and/or near to strong magnetic and electrical fields is not advisable, because it can result in malfunctioning of the contact.

1. Open the enclosure containing the reed switch (undo the screw and remove the cover).
2. Make a hole for wires in the base. If a spacer is to be used, the same hole must be made in it as well.
3. Screw the wires (and optional resistor) to the appropriate terminals. Description of the terminals:

**NC** - reed switch;

**M** - terminal to facilitate EOL resistor mounting;

**TMP** - tamper contact.

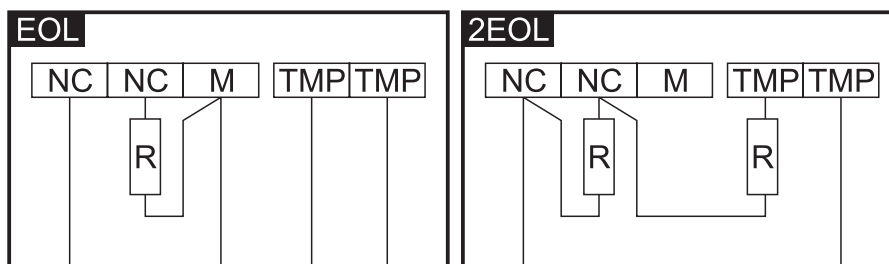


Fig. 1. Ways to connect the wires and resistors for EOL and 2EOL configuration.

4. Using screws, attach the base of reed switch enclosure (and, optionally, a spacer) to a flat surface at the selected mounting location. It is advisable that the reed switch mounted in the base be located on the same side on which the magnet will be installed (after the enclosure is closed, the arrow on the cover should point towards the magnet).
5. Close the enclosure with the reed switch (replace the cover, insert and tighten the screw).
6. Open the enclosure containing the magnet (undo the screw and remove the cover).
7. Using screws, attach the base of magnet enclosure (and, optionally, a spacer) to a flat surface opposite the reed switch. The magnet must be located within the operating gap (make distance).
8. Close the enclosure with the magnet (replace the cover, insert and tighten the screw).

### 3. Specifications

Contact type.....	NC
Maximum switching voltage .....	20 V
Maximum switching current.....	20 mA
Contact resistance .....	150 mΩ
Life expectancy (20 V, 20 mA) .....	min. 360 000 cycles
Contact material .....	Ru (Ruthenium)
Make distance .....	18 mm
Break distance .....	28 mm
Operating temperature range .....	-30...+55 °C
Maximum humidity .....	93±3%
Dimensions:	
reed switch enclosure .....	58,5 x 16,5 x 15,2 mm
reed switch spacer .....	58,5 x 16,5 x 3,3 mm
magnet enclosure .....	58,5 x 14,7 x 8,3 mm
magnet spacer .....	58,5 x 14,7 x 3 mm
Weight.....	24 g

The declaration of conformity may be consulted at [www.satel.eu/ce](http://www.satel.eu/ce)

SATEL sp. z o.o.  
ul. Schuberta 79  
80-172 Gdańsk  
POLAND  
tel. + 48 58 320 94 00  
[info@satel.pl](mailto:info@satel.pl)  
[www.satel.pl](http://www.satel.pl)