

The S-4 magnetic contact consists of two elements: magnetic sensor (reed relay) and magnet. The reed relay, which is situated near the magnet, makes the electric circuit.

The S-4 magnetic contact can be used wherever required for controlling the status of doors, windows and/or other movable elements, e.g. for protection or monitoring of access to particular sites, spaces, facilities; in automatic control systems, etc.

Owing to its high degree of anti-tampering protection, the S-4 can be used for sites and facilities which require special surveillance.

INSTALLATION

The magnetic contact is designed for installation on a flat surface by means of screws. The element containing the magnet should be mounted on the movable part, while the reed relay – on the stationary part of protected doors, windows, etc.

Each of the magnetic contact elements consists of three parts: **the base, the housing and the pad**. The pad with the base should be secured to the mounting surface, while the housing is to be fastened to the base with a metal screw. The part containing the reed relay is fitted with a tamper contact and a terminal strip for connection of electric cables. The housing enables parametric resistors to be installed inside it. The alarm installation cable should be led inside the magnetic contact through a special cable entry provided in the base and the pad. Normally, this entry is blanked off and a hole is to be made in it. All the component parts can only be assembled together in one position.

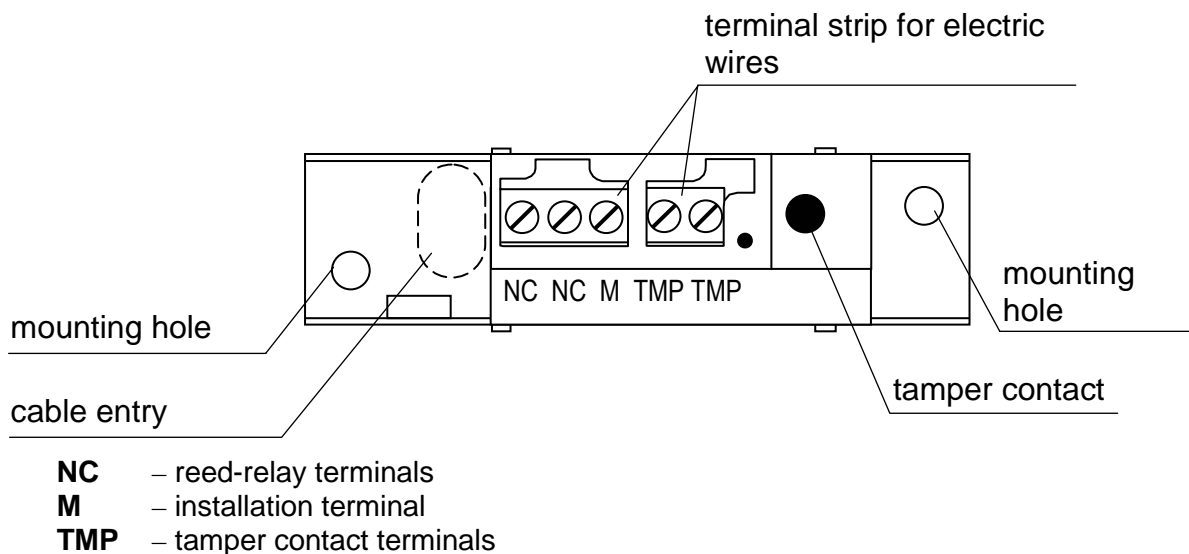
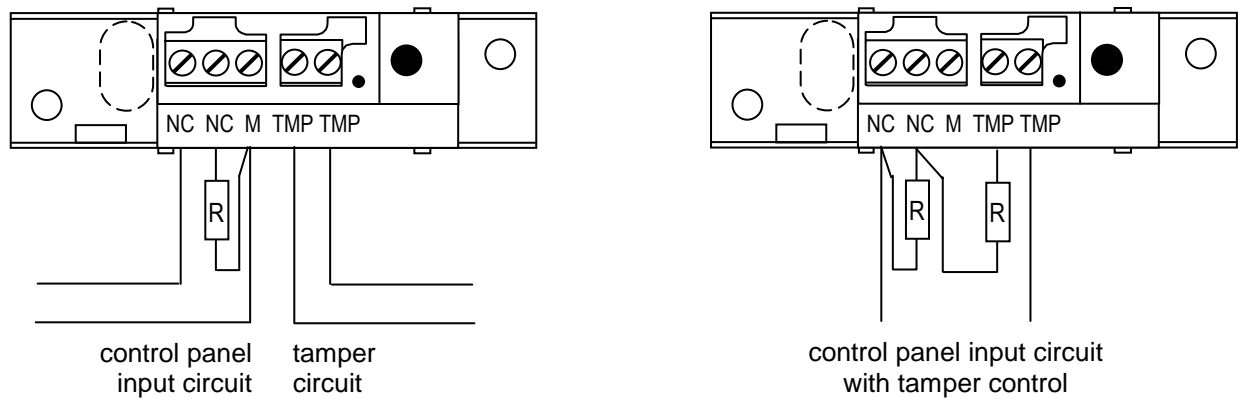


Fig. 1 View of the S-4 magnetic contact (housing removed).

In order to ensure correct functioning of the S-4 magnetic contact, the maximum distance between the magnet and the reed-relay in closed position (e.g. with the door closed) is not to exceed **18–20mm**, as may be required by the installation conditions. In order to correctly set the gap, you can use the extra pads which are placed under the main element of the magnetic contact.

HOOKUP

Shown in Fig. 2 are two examples of connecting the S-4 magnetic contacts to the alarm control panel. Some control panels enable a double parameter to be used, which reduces the number of cables required for correct connection of the magnetic contact to two (e.g. the panels CA-5, CA-6, CA-10, CA-64 made by SATEL).



R – parametric resistance

Fig.2 Connection of one-parameter sensor and two-parameter sensor.

TECHNICAL DATA

Magnetic contact type	NC
Maximum operating range of reed relay	18–20mm
Maximum switched voltage of reed relay	160V
Maximum switched current	250mA
Maximum carry current	1.5 A
Maximum switched power	10VA
Maximum contact resistance	130mΩ
Contact material	Ru (Ruten)
Magnetic contact dimensions:	
- reed relay housing	58.5x16.5x15.5mm
- magnet housing	58.5x15x8.5mm
- thickness of reed relay pad	3.3mm
- thickness of magnet pad	3mm
Weight	22g

Latest EC declaration of conformity and product approval certificates can be downloaded from our Web site www.satel.pl



SATEL sp. z o.o.
 ul. Schuberta 79
 80-172 Gdańsk
 POLAND
 tel. + 48 58 320 94 00
 info@satel.pl
 www.satel.pl