

Security Technology

Magnet Reed Contact Set MRS

Technical Data



Application

Reed contacts monitor the opening of windows and doors.

Mode of operation

The reed contact is magnetically operated by a separate permanent magnet. The two units are mounted in parallel (for surface mounting) or end (for drilling) at a maximum distance of 10 mm apart.

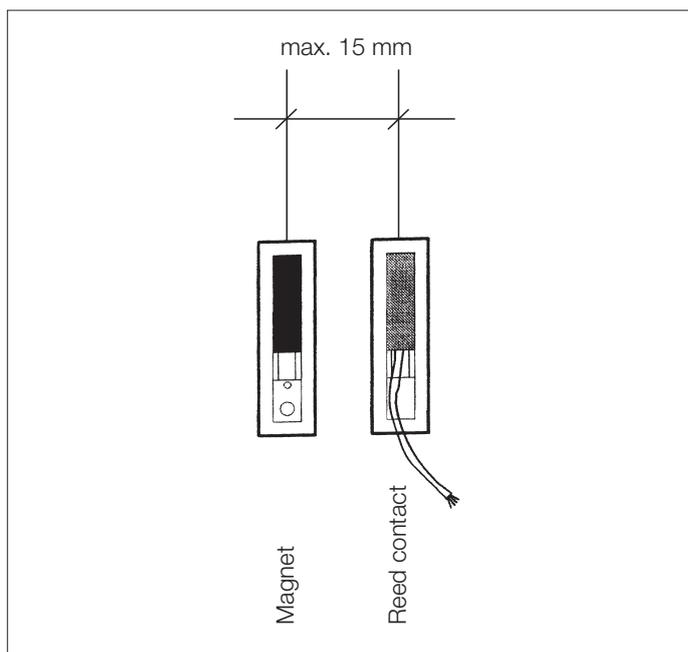
If the distance between them is increased, the reed contact opens, thereby interrupting the zone.

Design

The set consists of 1 magnet, 1 reed contact with 4.0 m connection cable LIYY 4 x 0.14 mm², 2 surface mount housing, 4 spacer plates, 2 flanges and 4 fixing screws (V4A antimagnetic).

The reed contact is encased in a circular housing and is thus protected against dust and damp.

The base plate is designed to hold the magnet or reed contact and enables 3 different cable outlets: lengthways, sideways and through the base of the plate for concealed wiring. Once the cap has been snapped into place, the fixing screws are also hidden.



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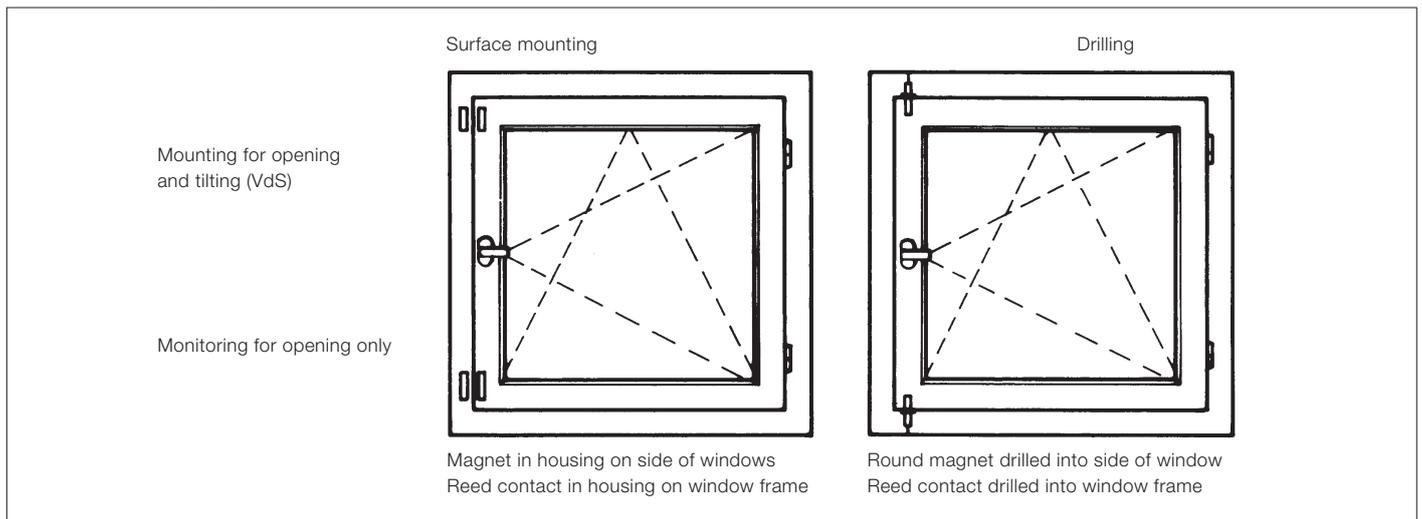
Installation

The installation should in principle be carried out within the monitored area, i.e., inside. The reed contact is either screwed onto the fixed part of the window (or door) together with the housing or drilled in place without the housing. The magnet is attached to the movable part of the window in the same way.

It should be ensured that the reed contact and magnet are placed vertically on the top of each other for drilling and that the supplied screws and spacer plates are used when screw mounting onto steel doors.

During installation, the reed contact is drilled into the frame and the magnet is drilled into the window casement. Prior the insertion, the reed contact or the magnet is bonded to the flanges with cyanacrylat quick-drying adhesive. After insertion, the glued flanges are locked in position using V4A fixing screws.

Installation examples



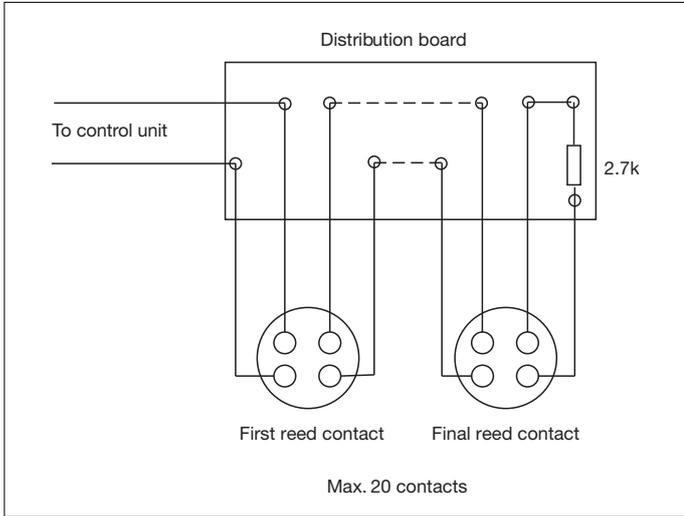
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Reed contact	
Connection cable	4.0 m, 4 x 0.14 mm ² ZGL
Soldering lugs	0.55 x 7 mm
Max. switching resistance	150 mΩ
Max. switching voltage	60 V DC
Max. switching current	0.1 A
Max. switching capacity	5 VA
Contact material	Rhodium
Number of ampere turns	10 ... 15 Aw
Temperature range	- 20 °C bis + 75 °C
Effective distance	
sideways:	max. 15 mm
end to end:	max. 15 mm
VdS approval (Class B)	G 198 531

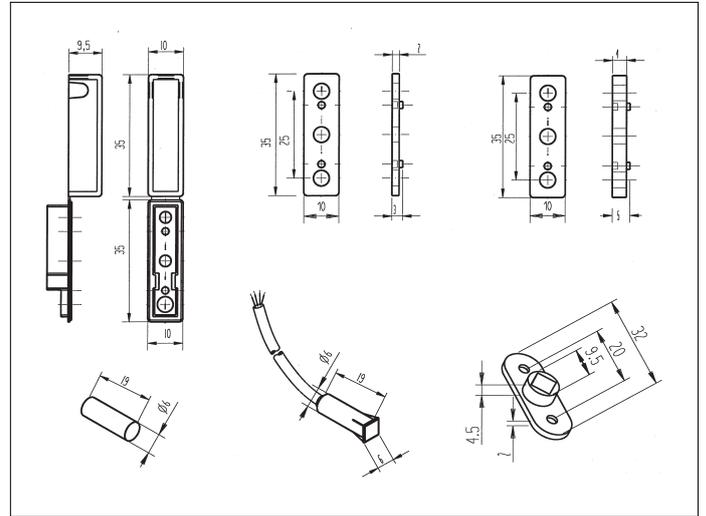
Magnet	
Material	DYM
Dimensions	19 x 6 mm Ø
Housing	
Material	Polyamid
Resistant to temperature up to	100 °C
Colour white	RAL 9016
Colour brown	RAL 8017

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Wiring diagram



Dimensions in mm



The configuration of the wires in the contact always guarantees that 2 adjacent wires can be connected to the control unit and the other two wires can be connected to the next detector or the EOL resistor. It is not necessary to measure the diameter of the cores.

Ordering Information

Product photo	Description	Short designation	Order No.	bbn 40 16779 EAN	Price group	Weight 1 pcs kg	Pack unit pcs.
	Reed Contact Set, white VdS No. G 198 531	MRS/W	GH Q320 1972 R0001	50660 1	P4	0.06	1
	Reed Contact Set, brown VdS No. G 198 531	MRS/B	GH Q320 1972 R0002	50659 5	P4	0.06	1
	Saver Set, 20 Pcs., white	VMRS/W	GH Q320 1972 R0011	50658 8	P4	1.05	1
	Saver Set, 20 Pcs., brown	VMRS/B	GH Q320 1972 R0012	50657 1	P4	1.05	1

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