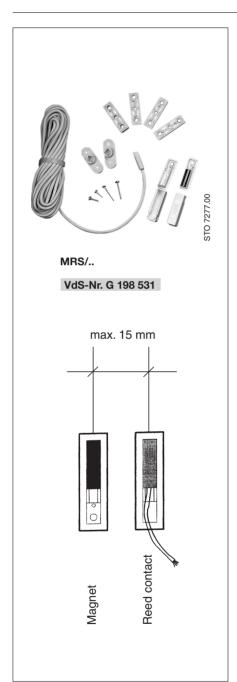
# Security Systems

# Magnet Reed Contact Set MRS



### **Application**

Reed contacts monitor the opening of windows and doors.

# Mode of operation

The reed contact is magnetically operated ba 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 consist 1 magnet, 1 reed contact with 4.0 m connection cable LIYY 4 x  $0,14~\text{mm}^2$ , 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: lenthways, 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.

#### 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.

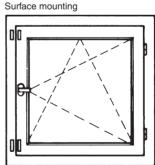
During installation, the reed contact is drilled into the frame and the magnet is drilled into the window casement. Prior the insertion, the reed contact or the magnet is bonded to the flanges with cyanacrylat quick-drying adhesive. After insertion, the glued flanges are locked in position using V4A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

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.

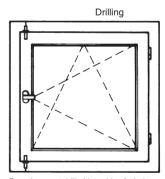
# Installation examples

Monitoring for opening and tilting (VdS)

Monitoring for opening only



Magnet in housing on side of windows Reed contact in housing on window frame



Round magnet drilled into side of window Reed contact drilled into window frame



# Magnet Reed Contact Set MRS

Technical data Reed contact:
Connection cable

Soldering lugs
Max. switching resistance
Max. switching voltage
Max. switching current
Max. switching capacity
Contact material
Number of ampere turns

Temperature range Effective distance sideways:

end to end: VdS approval 4.0 m, 4 x 0.14 mm<sup>2</sup> ZGL

 $\begin{array}{c} 0.55 \text{ x 7 mm} \\ 150 \text{ m}\Omega \\ 60 \text{ VDC} \end{array}$ 

0.1 A 5 VA Rhodium 10 ... 15 Aw – 20 °C bis + 75 °C

max. 15 mm

max. 15 mm Class B - no. G 198 531 Magnet Material

Material DYM Dimensions 19 x 6 mm ø

Polyamid

Housing: Material Resistant to

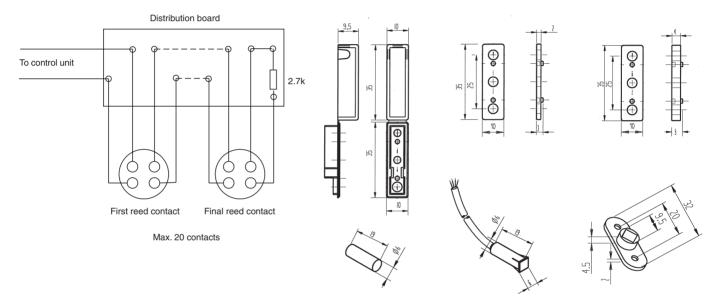
temperature up to 100 °C

Colour: white RAL 9016

brown RAL 8017

# 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**

Description		Short code	Product code	bbn 40 16779 EAN	Weight 1 Pc kg	Package Pc.
Reed Contact Set	white brown	MRS/W MRS/B	GHQ 320 1972 R0001 GHQ 320 1972 R0002		0.06 0.06	1
Saver set (20 Pcs.)	white brown	VMRS/W VMRS/B	GHQ 320 1972 R0011 GHQ 320 1972 R0012		1.05 1.05	1
VdS-Nr. G 198 531						



The information contained in this publication is subject to change without further notice.

## **ABB STOTZ-KONTAKT GmbH**

Postfach 10 16 80, D-69006 Heidelberg Eppelheimer Straße 82, D-69123 Heidelberg

www.abb.de/stotz-kontakt