TECHNICAL DATA

Intrusion Alarm Systems

MC-C1.1

Reed Contact for Rolling Doors, VdS B

Product description

The reed contact for rolling doors is mounted mainly on rolling, sliding and tilting doors. The contact housing is mounted on the ground (a flat support surface is required).

Only screws made of anti-magnetic material are allowed to be used for mounting. Due to the weatherproof and mechanically stable design of the contact housing, the circuit is largely protected against damage when rubber-tired vehicles drive over it.
The 4-wire cable is protected by a plastic-coated metal hose.

Mounting
When mounting the magnet housing, pay attention to the two markings on the contact housing. They determine the exact position of the magnet in relation to the contact.

If ferromagnetic materials are present in the vicinity of the arrangement, the switching range must be determined separately. The magnet should always be mounted in the middle of the “quiet zone” in compliance with the VdS installation regulations.

During mounting, the movement tolerances of the movable mounting surface for the magnet housing must be observed. After completion of mounting, the magnetic contact must be checked for its electrical switching function (e.g. ohmmeter or continuity tester).

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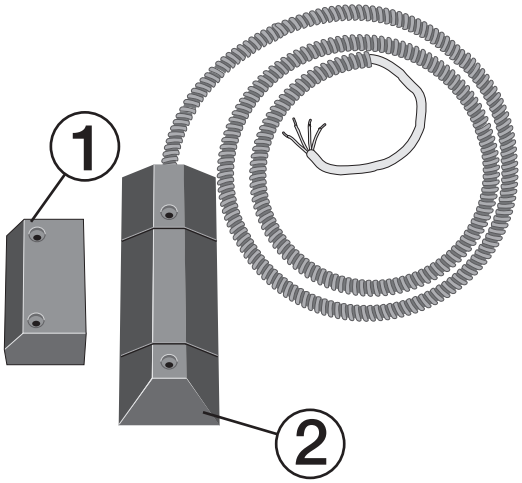
CAUTION
The magnet loses part of its field strength when exposed to strong heat or vibration. This can also happen if it is moved near another magnet and the like poles come near each other.

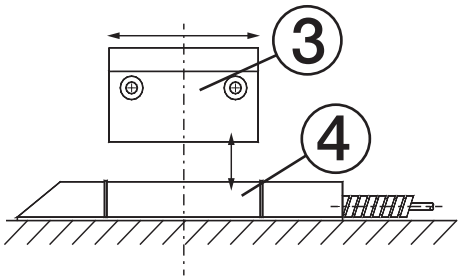
Connection



LEGEND

1 Magnet housing
2 Contact housing incl. supply cable

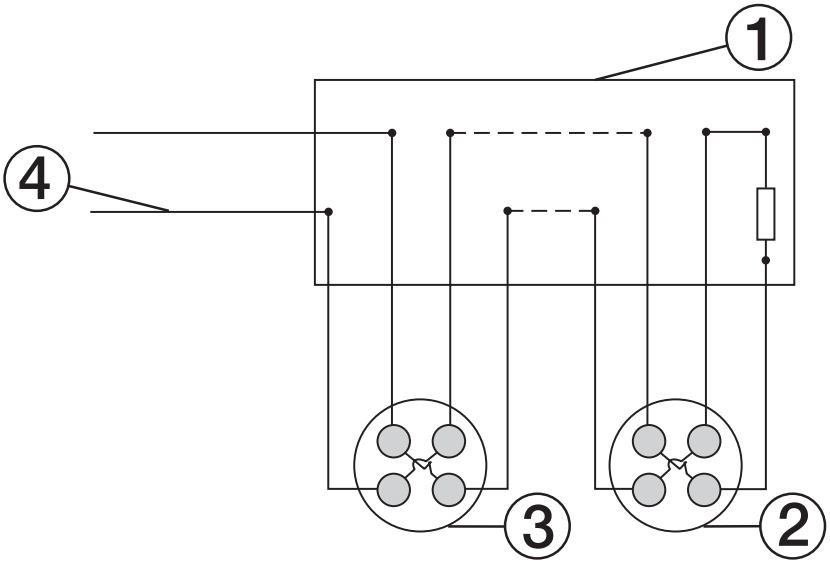
Mounting



LEGEND

3 Lateral mounting misalignment: max. +/- 3 mm
4 Approach/switch-on distance or departure/switch-off distance

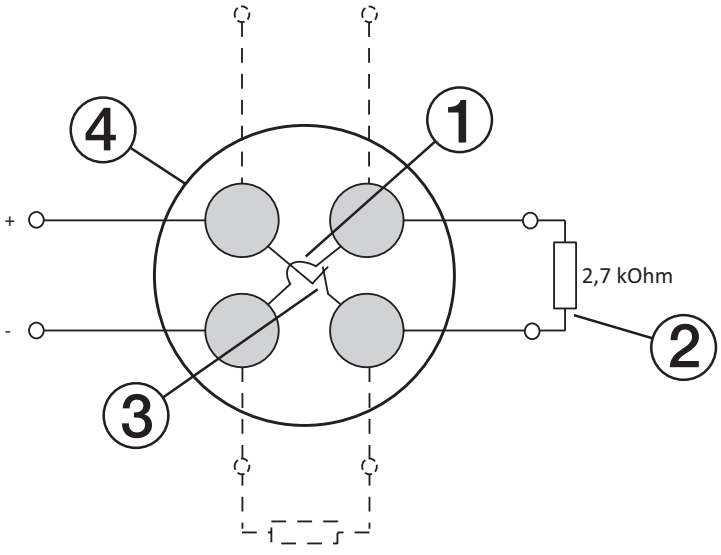
Zone connection



LEGEND

1 Distribution board
2 Last reed contact
3 First reed contact
4 To zone, max. 10 contacts

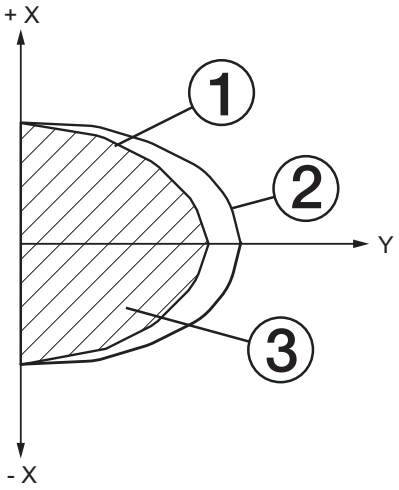
Cable cross section



LEGEND

1 Jumper
2 Termination resistor
3 NC contact
4 Cable cross section

Distance diagram



LEGEND

1 Approach/switch-on distance: 50 mm (tolerance +/- 6 mm)
2 Departure/switch-off distance: 60 mm (tolerance +/- 6 mm)
3 Quiet zone

Technical data	
Contact type	1-pole NC contact
Permissible operating voltage	Max. 40 V
Switching current	Max. 500 mA
Contact ratings	Max. 6 W or 6 VA
Contact resistance	Max. 0.15 Ohm
Breakdown voltage	> 250 V
Connection cables	LIYY 4 x 0.14 mm² Cu tin-plated; Suitable for LSA insulation displacement technology
Inner conductor	White
Dimensions of cable	Ø 3.2 mm (VdS approved up to 10 m length)
Dimensions of contact housing	146 x 50 x 16.5 mm
Metal hose	Ø 6 x 9 mm zinc-plated steel, PVC sheath
Magnet	Ø 12 x 55 mm AlNiCo 5, axially polarized
Dimensions of magnetic housing	66 x 40 x 35 mm
Material of housing	Polyamide GF
Color	Gray
Temperature range	- 40 °C to + 70 °C
Degree of protection	VdS environmental class III, IP 67 EN environmental class IIIA
VdS no.	G 191 565, class B
Checked and certified	EN 50131-2-6, grade 2

Ordering details

Device type	Product Name	Order No.	bbn 40 16779 EAN	Weight 1 pc. [kg]	Packaging [pcs.]
MC-C1.1	Reed Contact for Rolling Doors, VdS B	2CDG250006R0011	06730 0	0.3	1

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Order Number 2CDC513083D0211 Rev. A (04.2019)