

## Specifications

MAGNETIC CONTACT EMK 46 S LSA for supervised alarm line, sabotage-proof

### Only front-end recess- and surface mounting

Contact type	: single-pole NO contact
Power input	: max. 40 V DC
Switching current	: max. 500 mA
Contact capacity	: max. 6 W or 6 VA
Transition resistance	: max. 0,15 $\Omega$
Breakdown voltage	: > 250 V
Connecting cable	: LIYY 4 x 0,14 mm <sup>2</sup> Cu tinned; suitable for LSA-PLUS Insulation Displacement Contacts
Outer cable colour	: white or brown
Inner conductor	: yellow
Contact dimension	: $\varnothing$ 8 x 32 mm
Cable dimension	: $\varnothing$ 3,2 mm (< 10 m authorized by VdS)
Magnet	: $\varnothing$ 6 x 30 mm AlNiCo 5, axial polarized
Plastic tube	: $\varnothing$ 8 x 31 mm for magnet $\varnothing$ 6 x 30 mm
Housing material	: S-B or A-B-S
Colour	: white or brown
Temperature range	: - 25 °C to + 70 °C
Protection category	: VdS - environmental class IV, IP 67

### Extent of delivery

- 1 Magnetic contact  $\varnothing$  8 x 32 mm
- 1 Magnet  $\varnothing$  6 x 30 mm AlNiCo 5
- 1 Plastic tube  $\varnothing$  8 x 31 for magnet  $\varnothing$  6 x 30 mm
- 2 EMK recess mount flanges EF 8/10 for wood, plastic and non-ferromagnetic metals or windows/doors with hollow spaces
- 4 Fastening screws DIN 7982 - 2,9 x 13 - V 2 A

## Installation Instructions

Article-No.: 75103  
Model: EMK 46 S LSA  
VdS-No.: G 196 041 C



31424600.Y102



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## Description

Magnetic contact and magnet must be mounted in a front-end-position in window frames - casements, doors- and doorframes.

The magnet can be mounted in the supplied plastic tube. We recommend the use of Cyanacrylat-adhesive for glueing.

It is also possible to mount the magnet without the plastic tube, by inserting it into pre-drilled holes. In this case, we recommend fixing it by using silicon or adhesive.

**CAUTION:** One should not mount the magnet or the magnetic contact *into* ferromagnetic materials.

Surface mount parts (EMK-AT 6/8) including spacing pieces must be used, if the contact has to be mounted *on* ferromagnetic material.

Only non-ferromagnetic screws must be used for mounting the parts of the contact, the surface mount parts or the recess mount flanges.

After the mounting is finished, an electrical continuity check must be carried out (ohmmeter).

Too much force on the housing can harm the glass body of the reed contact. Therefore be careful when mounting the contact.

The magnet loses a part of its field strength if it gets very hot or through mechanical influences. This also can happen, if the magnet is moved close to the area of another magnet.

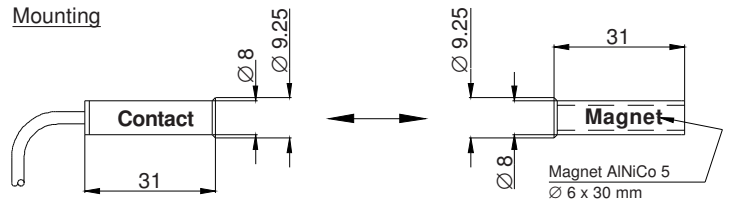
If an additional magnet approaches the switching system, the sabotage switch responds. This short both lines, therefore triggering the alarm.

Only Cyanacrylat-adhesive should be used for fixing the parts of the contact. Please follow the handling instructions of the manufacturer.

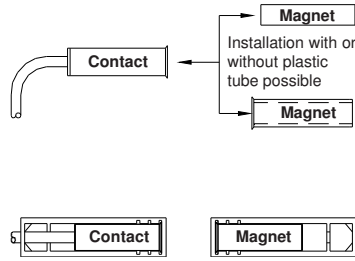
When using the optional surface mount parts EMK - AT 6/8, *only* the front end mounting is allowed.

## Terminal and wiring

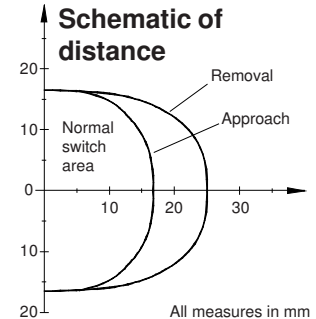
### Mounting



Vertical tolerance: max. +/- 3 mm

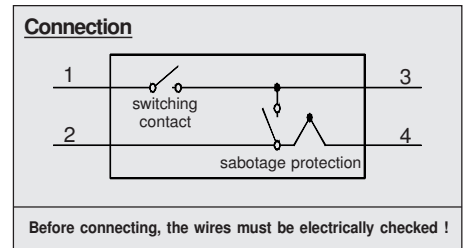
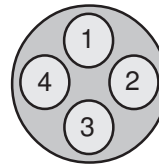


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All measures in mm

### Connecting cable



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possible

Technical changes without prior notice

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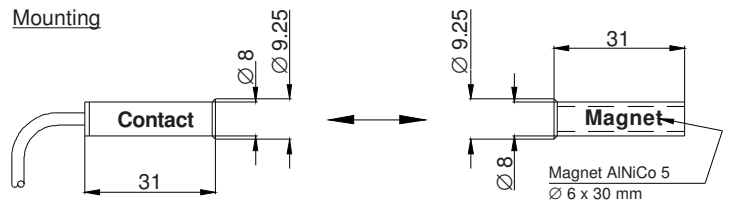
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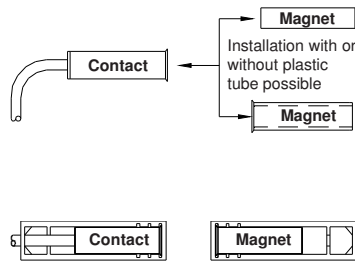
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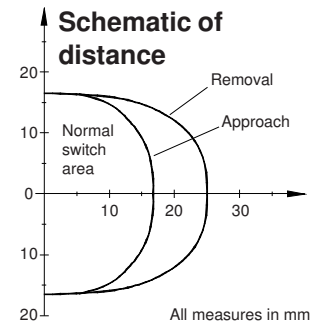
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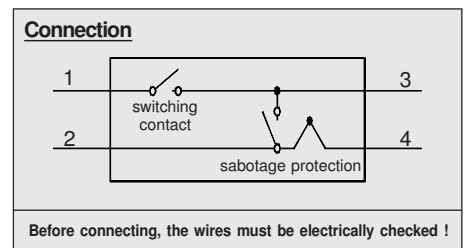
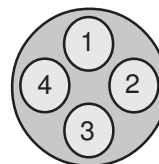


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All measures in mm

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