Specifications

SURFACE MOUNT MAGNETIC CONTACT AMK 4 S R1K1LSA,
for supervised alarm line, sabotage-proof

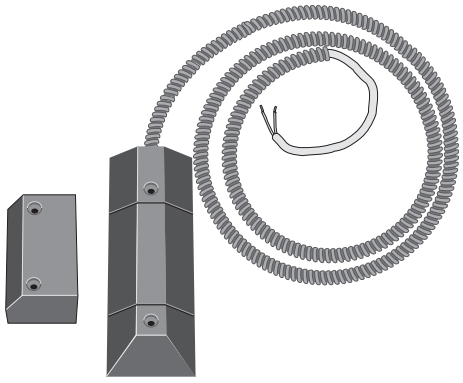
Contact type	:	3 single-pole NO contacts
Power input	:	max. 40 V DC
Switching current	:	max. 500 mA
Contact capacity	:	max. 6 W or 6 VA
Transition resistance	:	max. 0,15 Ω
Breakdown voltage	:	> 250 V
Connecting cable	:	LIYY 2 x 0,14 mm² Cu tinned; suitable for LSA- Insulation Displacement Contacts
Inner conductor	:	white
Cable dimension	:	∅ 3,2 mm (< 10 m authorized by VdS)
Contact-housing dimension	:	144 x 50 x 16,5 mm
Metal hose	:	L 1 m, ∅ 6 x 9 mm steel galvanized, PVC coated
Magnet	:	∅ 12 x 55 mm AlNiCo 5, axial polarized
Magnet-housing dimension	:	66 x 40 x 35 mm
Housing material	:	PA-GF
Colour	:	grey
Temperature range	:	- 25 °C to + 70 °C
Protection category	:	VdS - environmental class IV, IP 67

Option : Mounting set BF AMK
(V2A screw set for AMK mounting)

Installation Instructions

Article-No.: **75108**
Model: **AMK 4 S R1K1 LSA**

CE



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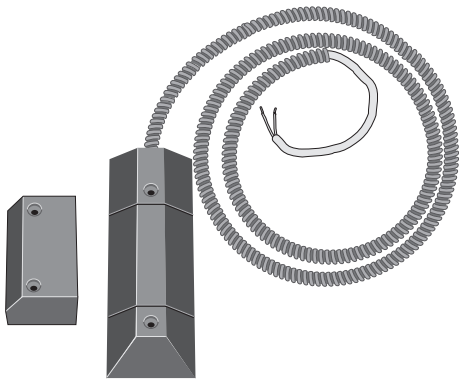

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Description

Normally the surface mount magnetic contact is installed at rolling gates, sliding gates, sweeping gates and so on.

The contact housing is mounted on the ground. The surface at the place of installation must be smooth.

Only non-ferromagnetic screws must be used for mounting the surface mount magnetic contact.

The design of the unit protects the circuit against weather and mechanical influences from vehicles with latex tires.

The connecting cable (2 wires) is protected by a metal hose which is PVC coated.

The position of the magnet housing is given by the contact housing. Make sure that the magnet housing fits to the marking on the contact housing.

The distance between contact- and magnet-housing should be preferably 17 mm (see schematic of distance).
Ferromagnetic parts disturb the magnetic field of the surface mount magnetic contact. The area of approach and removal changes in the schematic of distance. Find the normal switching area by testing. The magnet should be fixed in the middle of the normal switch area on principle.

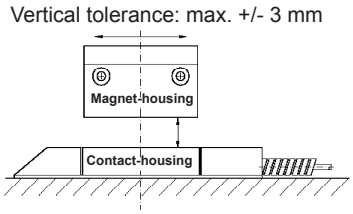
One part of the surface mount magnetic contact is fixed at a door. When the door is closed, a small movement can still exist. Take care of this tolerance.

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

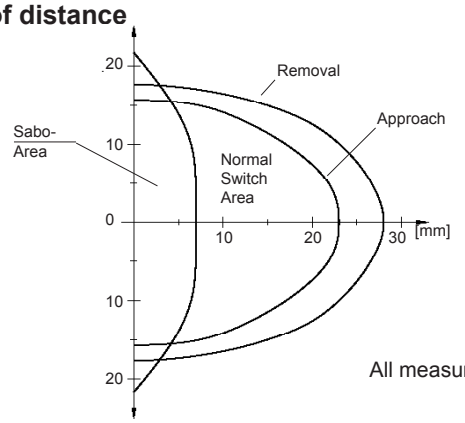
Caution: The magnet loses a part of its field strength if it gets very hot or through mechanical influences. This also can happen, if the magnet is moved close to the area of another magnet.

Terminal and wiring

Mounting

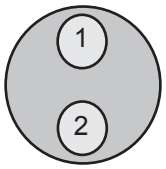


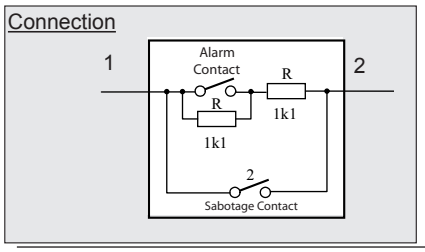
Schematic of distance



All measures in [mm]

Connecting cable





Before connecting, the wires must be electrically checked !

31225600.Y102

Technical changes without prior notice possible

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Terminal and wiring

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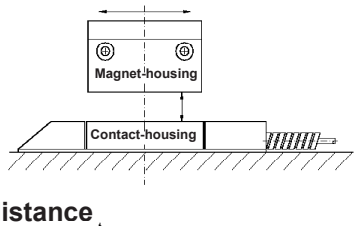

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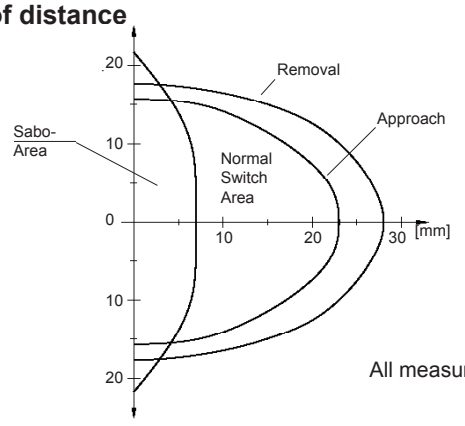
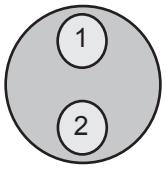
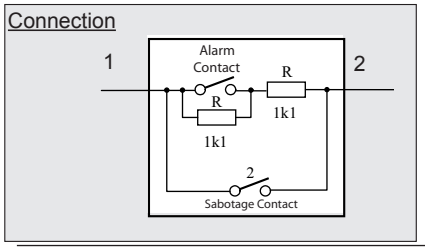


All measures in [mm]

Connecting cable





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