

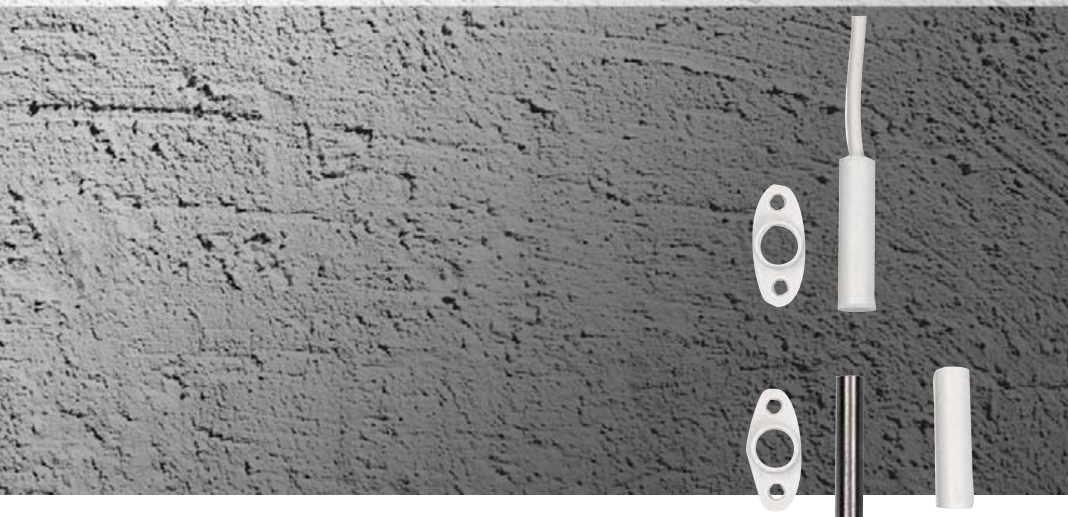
EMK 36 LSN

Built-in magnetic contact



Security Systems

- LSN Built-in magnetic contact
- VdS, class B
- Head-on installation
- LSN Perimeter protection



Magnetic contacts are used for tear-off surveillance of doors and windows.

Parts Included

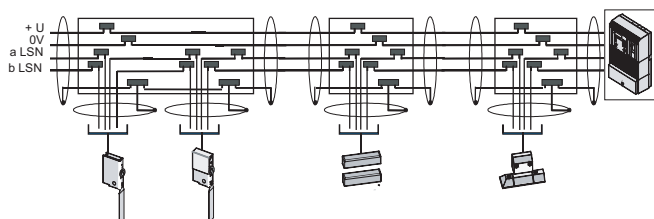
Qty.	Components
1	EMK 36 LSN Built-in magnetic contact incl. flange and sleeves

Certificates and Approvals

VdS approval No.: G 101505, class B

Installation/Configuration Notes

Connecting LSN contacts



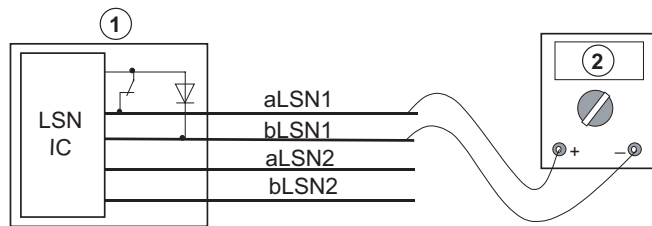
- Every LSN contact is a physical LSN element (1 out of 127 possible per loop).
- The length of LSN connection cables must be included when planning the total line length of the LSN loop since LSN technology is incorporated in these detectors.

- Passive coupling elements for joining the connection cables to the installation cable must be placed as close as possible to the LSN contacts since 1m connection cable with 2m LSN cable length is included in the calculation of the LSN cable length (LSN is carried into the contacts and back out again).
- Connector boxes are classified as installation material.
- When using flush- and surface mount magnetic contacts, please be aware that installation in **ferromagnetic materials** is not permissible for either the contact or the magnets. LSN MSE-LSN B4w magnetic contacts in conjunction with EG1 and MSE-LSN C4w with EG2 are an exception to this. When using MSA-LSN B 4w and MSA-LSN C 4w surface-mounting magnetic contacts, installation is carried out on ferromagnetic materials via the AG 4 surface-mounting housing.

Testing of LSN contacts

Reed switch and microswitch functions can be checked before installation by a high-ohm multimeter or continuity checker (for diode paths).

The resistance values are rough values; a large change in resistance is significant here.



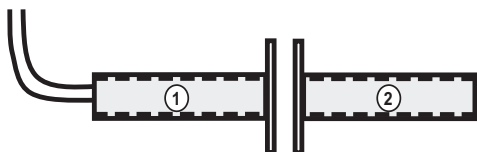
- 1 Detector
- 2 Multimeter:
Contact open: approx. 3 MOhm
Contact closed: approx. 1 MOhm

Notice: Only the intrusion contact can be checked in this way. The tamper contact of the Class C magnetic contact can currently only be checked by the LSN control panel.

The contacts are generally installed in the door or window frames with the magnet in the window or in the door. If the door or window is less than 1cm open, the magnetic contact should not be able to detect this. An opening of more than 3cm should be detected.

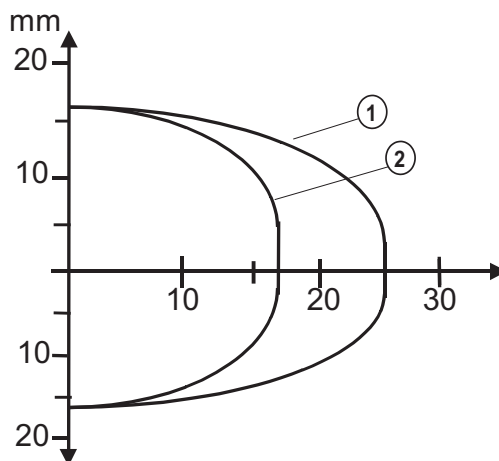
Installation in ferromagnetic materials is not permissible.
Installation of the EMK 36 LSN is head-on.

Notes on installation



- 1 Contact
- 2 Magnet

Distances diagram



- 1 Extraction
- 2 Proximity

Technical Specifications

EMK 36 LSN Built-in magnetic contact	
Type of installation	Built-in, head-on
LSN Operating voltage	15V to 33V
- Current consumption	0.4 mA
Protective system	IP 67
Permitted	VdS environmental class III
Ambient temperature	-25 °C...+70 °C
Housing	
Material	ABS
Color	White
Dimensions	
Contact	8 x 35 mm (ØxL)
Magnet	6 x 30 mm (ØxL)
Plastic sleeve	8 x 31 mm (ØxL)
Connection cable	Ø 3.2 mm, 4 m long
Wire colors	aLSN1 : white bLSN1 : brown aLSN2 : white bLSN2 : yellow

Ordering Information

EMK 36 LSN Built-in magnetic contact 4.998.027.502

Bosch Security Systems

For more information please visit
www.boschsecuritysystems.com

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