Installation

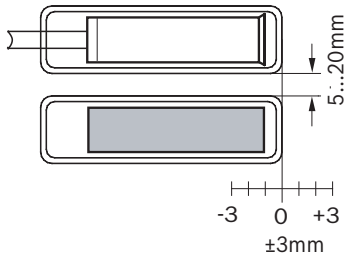
Installation Notes

- The magnetic contacts for release monitoring are made of non-magnetic material.
- The magnetic contacts are installed and operated in line with VdS guideline 2311.
- The bending radius of the connection cable must be at least 3 mm.

To mount the contact:

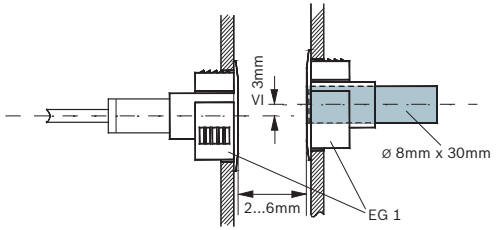
The magnetic contact and magnet are installed parallel with the surface mounting housing on window or door frames and window or door jambs.

1. Attach the housing base with non-magnetic 2.9 mm x 16 mm countersunk screws.
2. Insert the magnetic contact and magnet in the housing base.
3. Place the upper part of the housing on the base and snap it into position.



Mounting with ferromagnetic materials

1. When installing in ferromagnetic materials (metal flush mounting), use the EG1 flush mounting housing for MSE.
   Dimensions for the installation hole for EG1 housing:
   Ø 18.5 mm / Ø of surface covered: 24 mm
2. When installing on ferromagnetic materials, use the surface mounting housing with spacers.



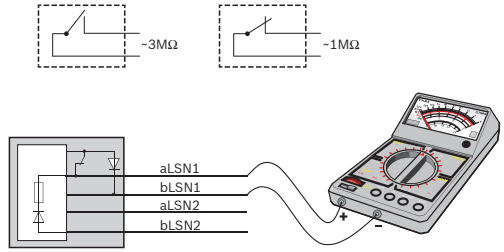
Connection

Checking the switch function of the contact

1. Use a high-ohm multimeter or continuity checker (for diode paths) to check the function of the LSN contact:

- contact open: approximately 3 megaohm
- contact closed: approximately 1 megaohm

The resistance values are approximate. A large change in resistance is significant.

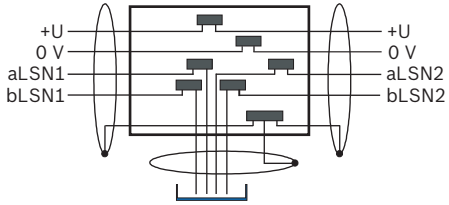


Connecting LSN contacts

- Each LSN contact is a physical LSN element (1 out of 127 possible per loop).
- Include the length of LSN contact connection cables when planning the total line length of the LSN loop, as the LSN technology is integrated in these contacts.
- Position passive elements for connecting the connection cables to the installation cable as close as possible to the LSN contacts, as a 1m connection cable with 2m LSN cable

length is included in the calculation of the LSN cable length (LSN is fed into the contacts and back out again).

- Connector boxes (optional) are classified as installation material.



Element	Description
aLSN1 *	white
bLSN1	brown
aLSN2 *	white
bLSN2	yellow

* aLSN1 and aLSN2 can be exchanged.

Technical data

Electrical

Minimum operating voltage in VDC	15
Maximum operating voltage in VDC	33
Maximum current consumption in mA	0.25
Reed contact	NO
Switch tolerance	≥ 10^7

Mechanical

Dimension in cm (H x W x D)	1.2 x 1.18 x 4.28
Dimension in cm (Ø x D)	0.8 x 3.0
Material	AlNiCo 500
Housing material	ABS

Color	white
Connection cable	LiY(St)Y 4 x 0,22 mm^2 with shield, exterior Ø 3,2 mm, length 4 m

Environmental

Minimum operating temperature in °C	-25
Maximum operating temperature in °C	70
Protection class	IP 68
Environmental class	III

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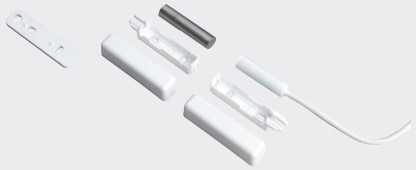

LSN Surface-Mount Magnetic Contact

ISP-MCS2-FP110

BOSCH

en Installation Note

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