

Installation

Bolt contacts are used to monitor if a door is locked.

The device is used for installation in door frame lock plates. The locking bolt activates the bolt contact.



Notice!

Keep in mind that only the second turn of the key in the lock activates the contact.



Notice!

In case of an installation in fire protection doors, ensure that no mechanical changes are made on the door frames. The only exceptions are the mechanical changes described below.

This bolt contact can be used for interior and front doors.

Preparing the installation

1. Use round pliers and bend the lever spring to adjust the switching point.
2. Place the drilling jig in the installation position.
3. Center punch twice, use 3.1 mm drill and drill two holes, debur the holes and sink once (drilling jig mark).
4. Remove the washer used as a transport fastener.

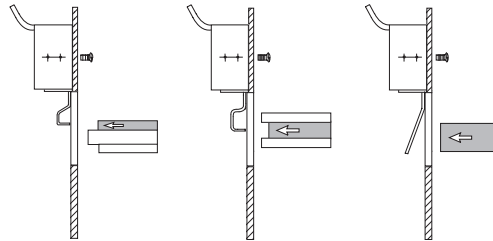


Fig. 1: Preparations for installation

Installing the bolt contact

1. Place the installation aid between the lever spring and the housing.
2. Bend manually and position the bolt contact so that the contact nipple engages the bore. The bolt contact is secured in this way to prevent twisting.
3. Use the provided M3x5 DIN 964 screw to attach the bolt contact.
For 3-mm door frames, use the longer M3x6 DIN 964 screw.
4. Remove the installation aid.

Shortening the lever spring



Caution!

Damage of the bolt contact
Do not use a side cutter for shortening the lever spring.

1. If required, use multi-purpose scissors to shorten the lever spring.

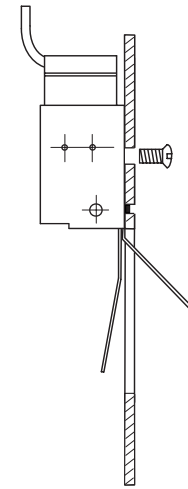


Fig. 2: Installation

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.

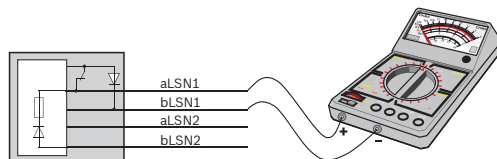
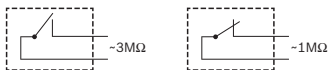


Fig. 3: Checking the switch function of the contact

LSN connection

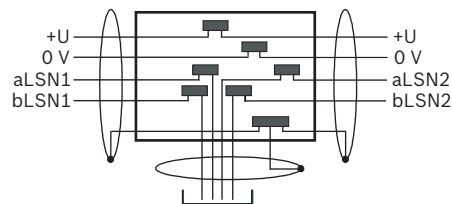


Fig. 4: LSN connection

Element	Description
aLSN1 *	green
bLSN1	brown
aLSN2 *	green
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	0.4

Mechanical

Housing material	stainless steel
Color	gray
Dimension in cm (H x W x D)	
– Without operating lever	3.7 x 0.9 x 1.9
– With operating lever	7.4 x 1.0 x 1.9

– Connection cable	LiY(St)0Y 4 x 0.14 mm, Ø 3.2 mm x 4 m
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Environmental

Environmental class	III
Protection class	IP 67
Minimum operating temperature in °C	-25
Maximum operating temperature in °C	70

**SKA 100 LSN bolt contact**

ISP-SKA100

**BOSCH****en** Installation manual**Bosch Sicherheitssysteme GmbH**Robert-Bosch-Ring 5
85630 Grasbrunn
Germany**www.boschsecurity.com**

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