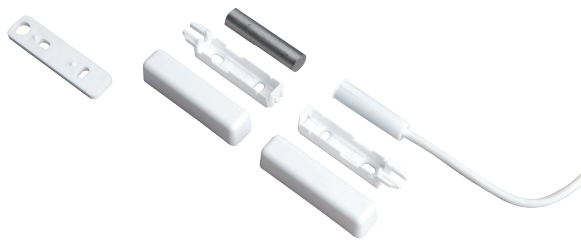


# ISP-MCS2-FP110 Surface magnetic contact LSN

www.boschsecurity.com



**BOSCH**  
Invented for life



- ▶ LSN surface-mount magnetic contact for release monitoring of doors and windows
- ▶ Parallel mounting
- ▶ Installation in ferromagnetic materials is permissible by using the EG1 flush mounting housing
- ▶ For connecting to LSN security systems

The LSN surface-mount magnetic contact is used for release monitoring of doors and windows. Parallel mounting.

## Certifications and approvals

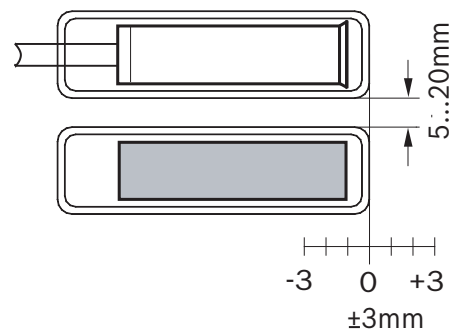
Region	Regulatory compliance/quality marks	
Germany	VdS	G111502 [ISP-MCB2-FP110]
Europe	CE	[ISP-MCB2-FP110, ISP-MCB3-FP110, ISP-MCS2-FP110, ISP-MCS3-FP110]

## Installation/configuration notes

### Installation information

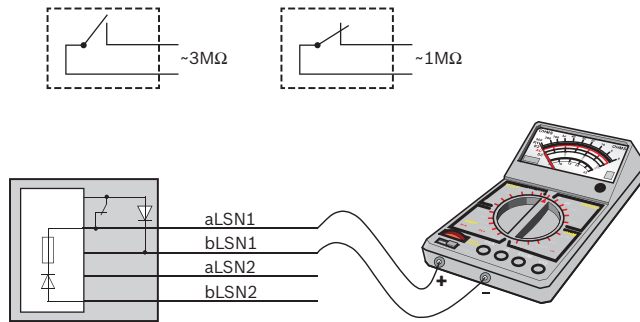
- The magnetic contact and magnet are installed parallel to each other on window or door frames and window or door jambs.
- The magnet should be fixed in a bore.
- Installation in ferromagnetic materials (metal flush mounting) is only permissible with the optional EG1 flush mounting housing.

### Installation distance



### Checking the switch function of the contact

- a) 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.

**Parts included**

Quantity	Component
1	4 m connection cable
1	Magnet
1	Enclosure
1	Installation note

**Technical specifications**

**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	$\geq 10^7$

**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 <sup>2</sup> 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

**Ordering information**

**ISP-MCS2-FP110 Surface magnetic contact LSN**

For monitoring the opening of doors and windows, parallel mounting  
Order number **ISP-MCS2-FP110**

**Represented by:**

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
emea.securitysystems@bosch.com  
emea.boschsecurity.com

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany  
www.boschsecurity.com

**North America:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
onlinehelp@us.bosch.com  
www.boschsecurity.us

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia