

# SE 120 LSNi SmartKey Arming Device

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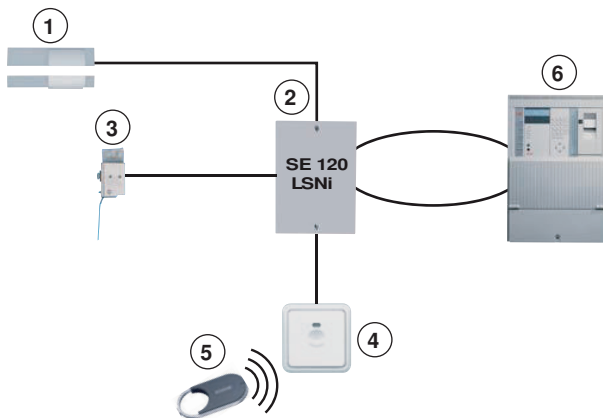
**BOSCH**  
Invented for life



- ▶ Simple, non-contact operation
- ▶ High security through “Challenge & Response” procedure
- ▶ Clear signaling prevents operational errors
- ▶ No manipulation or tampering possible
- ▶ Detailed logging of arming via the LSN control panel

The SmartKey arming device is a system solution for arming/disarming intrusion alarm systems.

## System overview



- 1 SPE blocking element
- 2 SE 120 LSNi control unit
- 3 Bolt contact
- 4 Reader

- 5 SmartKey keys
- 6 LSN control panel

## Functions

Individual system components can be put together depending on the usage conditions required. Operation modes with or without the SPE blocking element are possible.

### SE 120 LSNi

The SE 120 LSNi control unit processes the status reports of all components in the system, communicates these reports to the intrusion alarm system and controls the blocking element. The control unit has a lock line for connecting bolt contacts and two primary lines for connecting e.g. magnet contacts. The control unit is mounted in the secure area.

### Reader

Arming and disarming is done using an electronic key on the reader. LED and buzzer provide information about the status of the system as well as operation. The reader can be surface mounted or flush mounted (outside the secure area).

### Keys with a security card

The system operates like a locking device. The key kit consists of a set number of valid keys and a security card. The control unit is initialized using the security card, and accepts only the keys of the key kit. To order additional keys, the security card must be sent to the manufacturer together with the order. The keys are labeled with a consecutive key number, a security card number and an 8-digit identification number.

### Standard key (without security card)

The keys are not numbered and can be read in as often as required. The keys are labeled with an 8-digit identification number.

### SPE blocking element

The SPE blocking element is an additional lock for the door and is intended to prevent unauthorized entry to the armed area. The SPE blocking element must always be mounted in the secure area with a kit to allow it to be fitted out for different door types. Motorized block locking function: All blocking elements for an area are simultaneously engaged and disengaged.

A conventional bolt contact should be fitted to the control unit (not part of the scope of delivery).

A conventional standard magnet contact can be connected to the control unit (not part of the scope of delivery).

### Certifications and approvals

Country	Certification	SE 120 LSNi
DE	VdS	G 106063, C

Region	Certification	
Germany	VdS	G 106063, C SE 120 LSNi G 106063
Europe	CE	SE 120 LSNi
	CE	SmartKey

### Installation/configuration notes

#### Number of SmartKey keys

A maximum of 16 SmartKey keys can be used per system if the SmartKey key is read in at the reader. In other respects, the number of SmartKey keys depends on the control panel: NZ 300 LSN = 40 keys, UEZ = 255 keys.

#### SE 120 LSNi without bolt contact

Due to the time shift caused by the LSN, up to four SE 120 LSNi can be activated in 200 ms (not arming time). In general, a bolt contact should be mounted.

#### SPE blocking element

- If several LSN SmartKey systems need to block simultaneously in one area (motorized block locking function), the control units must be in the same LSN processing assembly (on LVM for UEZ, on NV 120 for UGM).

- The SPE blocking element is always mounted in the secure area with a mounting kit.

### Technical specifications

#### SE 120 LSNi control unit

Operating voltage	9.6 V to 30 V
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Total current consumption including blocking element at an input voltage of 9.6 V

• Standby LSN part	3.53 mA
• Standby additional supply	41 mA
• Bolt is engaged	110 mA for 200 ms
• Bolt blocked	470 mA for 200 ms

Total current consumption including blocking element at an input voltage of 28 V

• Standby LSN part	3.53 mA
• Standby additional supply	30 mA
• Bolt is engaged	65 mA for 200 ms
• Bolt blocked	200 mA for 200 ms

#### Environmental conditions

• Environmental class	2
• Protection type	IP 30
• Operating temperature	-5 °C to +45 °C
• Storage temperature	-40 °C to +85 °C

#### Housing

• Material	ABS
• Color	RAL 9002
Dimensions (H x W x D)	160 x 135 x 35 mm
Weight	0.25 kg

### Ordering information

#### SE 120 LSNi SmartKey Arming Device

For arming/disarming an intrusion alarm system via the reader as a system solution

Order number **IUI-SKCU1L-120**

#### Accessories

##### SmartKey reader

Non-contact reader for SmartKey key  
Order number **4998021692C20**

##### IUI-SKK-3S key set

3 x SmartKey keys and security card  
Order number **IUI-SKK-3S**

##### IUI-SKK-1S additional key

1 x additional SmartKey key for IUI-SKK-3S key set  
Order number **IUI-SKK-1S**

**IUI-SKK-1 standard key**

1 x SmartKey key without security card  
Order number **IUI-SKK-1**

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**SmartKey hybrid key card**

As combined card with two transponders  
Order number **4998112166**

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**SPE blocking element incl. surface mounting kit**

For installation on frame/door  
Order number **4998013609C20;4998149110**

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**SPE blocking element incl. flush mounting kit**

For installation in frame/door  
Order number **4998021691C20;4998149110**

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**SPE blocking element incl. glass kit**

For installation on glass doors  
Order number **4998019339.C20;4998013609C20;4998149110**

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**SPE blocking element incl. NBS 10 kit**

For upgrading the NBS 10  
Order number **4998149110;4998040651C20**

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