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## 1 Information about this document

### 1.1 Contents and purpose

This document supplements the SVA/SVI locks' assembly instructions and contains technical information for the mounting and commissioning of a SVI 2xxxF lock.

### 1.2 Target group

The locks may only be mounted by technical specialists who have been trained for this purpose by dormakaba.

### 1.3 Other applicable documents

- SVA/SVI locks assembly instructions
- Manual for the connecting cable SVP-A 1100/2100
- Technical documents for the selected control unit
- Commissioning instructions for the SVA lock
- Bolt contact switch SVA/SVI assembly instructions
- Assembly instructions for the fittings used, e.g. door handles, panic bar or knob.

### 1.4 Abbreviations

SVA	Active, self-locking (anti-)panic lock for the active door leaf in 2-leaf door units
SVI	Inactive, self-locking (anti-)panic lock for the passive door leaf in 2-leaf door units
2xxx/2xxxF	All versions of a lock; the exact lock type is marked with 3 digits instead of xxx.
G	Active door leaf
S	Passive door leaf

## 1.5 Symbols used

### 1.5.1 Hazard categories



#### WARNING

This signal word indicates a possible hazardous situation that may result in death or serious injury if not averted.



#### ATTENTION

This signal word indicates a possible hazardous situation that may result in damage to property or the environment if not averted.

### 1.5.2 More symbols



#### NOTE

This signal word indicates useful information for efficient and trouble-free operation.

1

2

Item numbers used in image caption

## 2 Safety

### 2.1 Intended use

The SVI 2xxxF is a motor lock for the passive door leaf on 2-leaf door units. The door unit's active door leaf must be equipped with a dormakaba SVA 2xxx or SVA 2xxxF lock.

- Only use the components approved by dormakaba for mounting.
- Only mount combinations of lock and fitting that have been tested and approved in accordance with EN 179 or EN 1125. The list of approved components can be found in the constancy of performance certificate at [www.dormakaba.com](http://www.dormakaba.com). Other combinations on request.
- Mounting on fire and smoke protection doors is only permitted if the usability certificates for these doors provide for this mounting and if the requirements are followed.
- The SVI 2xxxF is suitable for use on fire and smoke protection doors.

### 2.2 Non-intended use

- The lock must not be opened by third parties. If the lock is opened by a third party, there is a risk that safety-relevant functions (e.g. escape/panic functions) will no longer exist.
- The identification plate on the lock contains important information required by law and must not be damaged or obscured.

### 2.3 Reasonably foreseeable misuse

- Cannot be combined with SVP locks.
- Do not make any changes to the door unit that are not described in this manual.
- If door seals (e.g. profile seals, floor seals) are used, they must not impede the intended function.

### 3 Product description

The SVI lock on the passive door leaf serves as a strike box for the SVA lock. The SVI lock locks automatically by extending the espagnolette bolt as soon as the passive door leaf is closed. In case of emergency, the door can be opened in the escape direction at any time. The SVI 2xxxF can query the status of the espagnolette bolt and the door handle/panic bar. The SVI 2xxxF contains an integrated Power Reserve module.

The functions are controlled electronically. Control is via the control unit of the SVA 2xxx or SVA 2xxxF active door leaf lock.

#### Automatically opening installation example

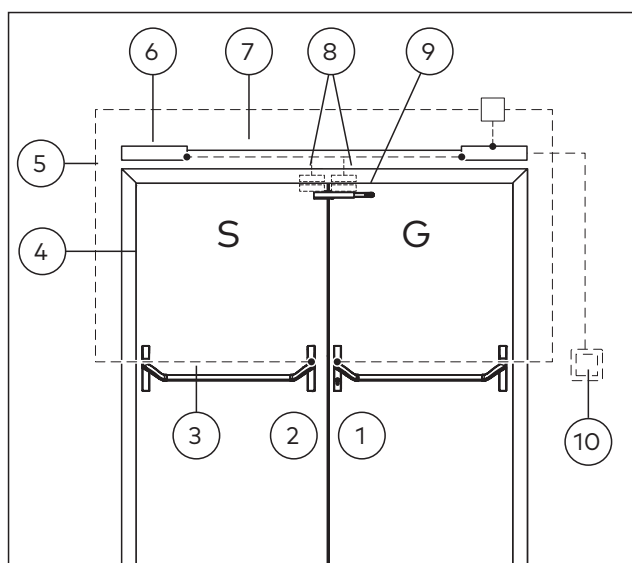


Fig. 1 Barrier-free installation situation (example)

- (1) Active door leaf with SVA 2xxx/2xxxF
- (2) Passive door leaf with SVI 2xxxF
- (3) Panic door fitting
- (4) Cable transfer CT, cable spiral CS and if necessary detachable cable transfer DT
- (5) Connecting cable SVP-A 1100/2100
- (6) Operator inc. control unit (e.g. ED100/250)
- (7) Sequential locking control
- (8) Door contact TK (optional)
- (9) Carry bar
- (10) Access control components

#### 3.1 Parts included

- SVI lock
- Forend (pre-mounted if necessary)
- Screws required for mounting
- Commissioning instructions SVI 2xxxF

### 3.2 Variants

#### Variants for rebated solid doors

235 x 20 mm with angled forend 12 mm

Rear backset: 33 mm

- SVI 2071F: Backset 65 mm, DIN left
- SVI 2072F: Backset 65 mm, DIN right
- SVI 2081F: Backset 80 mm, DIN left
- SVI 2082F: Backset 80 mm, DIN right
- SVI 2091F: Backset 100 mm, DIN left
- SVI 2092F: Backset 100 mm, DIN right

#### Variants for solid butt doors

235 x 24 with lipped or flat forend

Rear backset: 33 mm

- SVI 2077F: Backset 65 mm, DIN left/right
- SVI 2087F: Backset 80 mm, DIN left/right
- SVI 2097F: Backset 100 mm, DIN left/right

#### Variants for tubular frame doors

380 x 24 with lipped or flat forend

Rear backset: 15 mm

- SVI 2119F: Backset 35 mm, DIN left/right
- SVI 2129F: Backset 40 mm, DIN left/right
- SVI 2139F: Backset 45 mm, DIN left/right
- Further versions available on request

#### 3.3 Door fittings required

Inner side of the door: Door handle or panic bar

Outer side of the door: without door fitting

Locking pin: 9 mm square for passive door leaf set (half pin)

#### 3.4 Technical data

Temperature range:	-25°C to +70°C
Relative humidity:	up to 95 % at 55°C; no condensation
Supply voltage:	24 V DC stabilized (+/- 10%)
Max. power consumption:	0.5 A
Quiescent current consumption:	0.08 A
Bolt contact's contact load capacity:*	0.5 A at max. 30 V DC
"Locked" signal:	output switches to GND, 30 mA at max. 30 V DC

\* only for special items

#### 3.5 Integrated Power Reserve module

The integrated Power Reserve module is tested 5 mins after the power is turned on and then every 48 hrs. If the test completes with an error, the corresponding flashing code appears once according to the error messages (see Chapter 6). The test is then performed a second time after a further 5 minutes. If this test is also negative, the flashing code is permanently displayed.

### 3.6 LED display

With the SVI 2xxxF, colored light signals in the area around the latch holder indicate general operational readiness. In addition, the LED display shows the error messages (see Chapter 6).

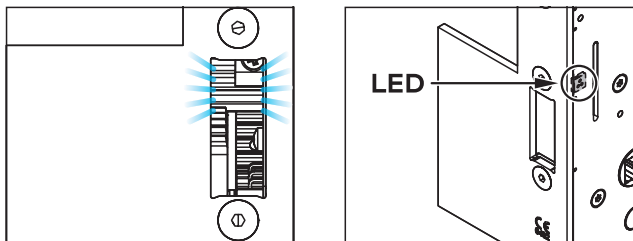


Fig. 2 LED displays in the latch holder

LED display	Color	Duration
Ready for operation		2xxx s

### 3.7 Classification

#### 3.7.1 Tubular frame locks

<b>CE</b>	<b>dormakaba Deutschland GmbH</b> DORMA Platz 1 - 58256 Ennepetal										
	0432-CPR-00026-11										18
SVI 2xxxF RR	EN 179:2008	3	7	7	B	1	4	5	2	A	C
DOP_0166											
	0432-CPR-00026-01										18
SVI 2xxxF RR	EN 1125:2008	3	7	7	B	1	4	2	1/2	A/B	C
DOP_0167											

#### 3.7.2 Solid door locks

<b>CE</b>	<b>dormakaba Deutschland GmbH</b> DORMA Platz 1 - 58256 Ennepetal										
	0432-CPR-00026-11										18
SVI 2xxxF VB	EN 179:2008	3	7	7	B	1	4	5	2	A	C
DOP_0162											
	0432-CPR-00026-02										18
SVI 2xxxF VB	EN 1125:2008	3	7	7	B	1	4	2	1/2	A/B	C
DOP_0163											

Cable color	Connection / function
<b>SVP-A 1100/2100</b>	
Black	GND
Red	not in use
White	+24 V DC
Brown	not in use
Violet	Locked, output switches to GND, 30 mA at max. 30 V DC
Red-blue	not in use
Blue	not in use
Green	not in use
Gray-pink	Bolt contact* <sup>2</sup>
Yellow	Bolt contact* <sup>2</sup>
Gray	RS485 N* <sup>1</sup>
Pink	RS485 P* <sup>1</sup>

\*<sup>1</sup> Only in combination with SVA 2xxx/SVA 2xxxF

\*<sup>2</sup> Optional, see bolt contact switch manual SVA/SVI, WN 059826

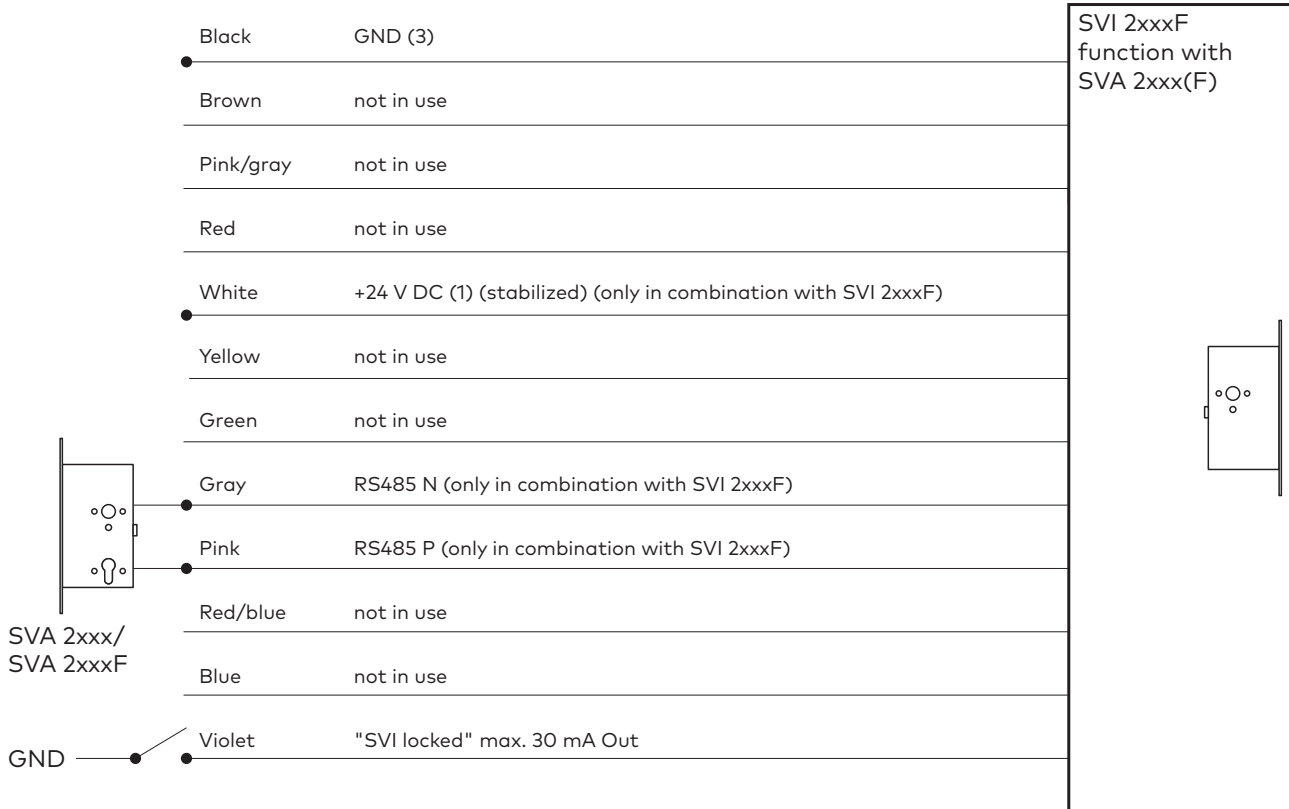
## 4 Pin assignment



### Note

For earthed door frames, the bridge on the SVP-A x100 connection cable's plug must be disconnected.

### 4.1 Block diagram SVI 2xxx F with SVA 2xxx



## 5 Mounting

See SVA/SVI assembly instructions.



<https://techdoc.dormakaba.com/cds/go/SVA-SVI>

SVA commissioning instructions



<https://techdoc.dormakaba.com/cds/go/SVA>

## 6 Error messages

LED display	Cause	Activity
■ ■ ■ ■ ■	Voltage supply outside the tolerance range (24 V DC +/- 10%)	Check power supply unit.
■ ■ ■ ■ ■	Power reserve function test is faulty	Replace lock.
■ ■ ■ ■ ■	Unlocking/locking not successful	Test, bolt, or espagnolette bolts are blocked from outside the lock. If not, call dormakaba Service
■ ■ ■ ■ ■ ■ ■	General error	Disconnect and reactivate the power supply for the door. If the error persists, call dormakaba Service.
■ ■ ■ ■ ■	SVA-SVI bus connection interrupted	Check correct wiring, especially the wiring of the SVA and SVI lock.

## 7 Disassembly and disposal

Disassembly is carried out in reverse order of the mounting instructions.



The product must not be disposed of in domestic waste.

Dispose of the product in an environmentally friendly manner at the arranged acceptance and collection points.

Refer to the statutory regulations for your country.



