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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 4xxx 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
- 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
4xxx	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

 	Item numbers used in image caption
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2 Safety

2.1 Intended use

The SVI 4xxx is a lock for the passive door leaf for 2-leaf door units. The door unit's active door leaf must be equipped with a dormakaba SVA 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. 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 4xxx is suitable for use on fire and smoke protection doors.

2.2 Non-intended use

- The lock may 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

- Do not combine with SVP locks.
- There may be no other locking devices on the door unit.
- 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 4xxx is a mechanical lock for the passive door leaf. The SVI 4xxx serves as a strike box for an SVA xxxx lock. The SVI lock locks automatically. As soon as the passive door leaf is closed, the espagnolette bolts extend. In case of emergency, the door can be opened in the escape direction at any time. The SVI 4xxx can query the status of the espagnolette bolt and the door handle/panic bar.

Installation example

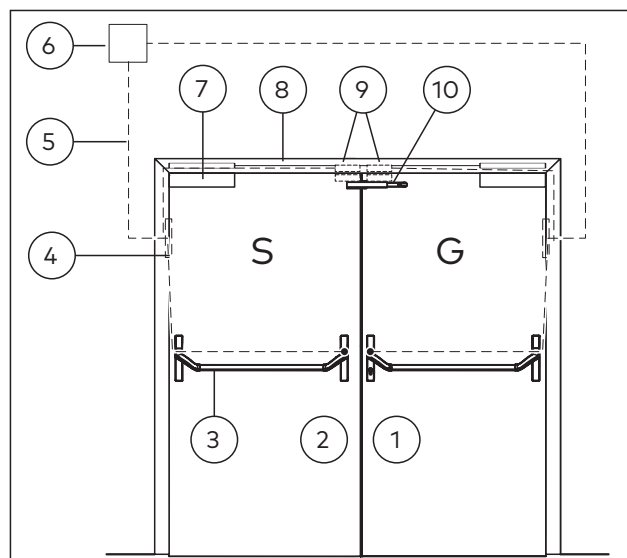


Fig. 1 Mechanical, monitored installation situation (example)

- (1) Active door leaf with SVA 4xxx
- (2) Passive door leaf with SVI 4xxx
- (3) Panic door fitting
- (4) Cable transfer CT, cable spiral CS and if necessary detachable cable transfer DT
- (5) SVP-A 1100/2100 connection cable (not for SVA 5xxx)
- (6) Monitoring (optional)
- (7) Door closer
- (8) Sequential locking control
- (9) Door contact TK (optional)
- (10) Carry bar

3.1 Parts included

- SVI lock
- Forend (pre-mounted if necessary)
- Screws required for mounting
- Commissioning instructions SVI 4xxx

3.2 Variants

Variants for rebated solid doors

Forend: 235 x 20 mm with angled forend 12 mm

Rear backset: 33 mm

- SVI 4071: Backset 65 mm, DIN left
- SVI 4072: Backset 65 mm, DIN right
- SVI 4081: Backset 80 mm, DIN left
- SVI 4082: Backset 80 mm, DIN right
- SVI 4091: Backset 100 mm, DIN left
- SVI 4092: Backset 100 mm, DIN right

Variants for solid butt doors

Forend: 235 x 24 with lipped or flat forend

Rear backset: 33 mm

- SVI 4077: Backset 65 mm, DIN left/right
- SVI 4087: Backset 80 mm, DIN left/right
- SVI 4097: Backset 100 mm, DIN left/right

Variants for tubular frame doors

Forend: 310 x 24 with lipped or flat forend

Rear backset: 15 mm

- SVI 4119: Backset 35 mm, DIN left/right
- SVI 4129: Backset 40 mm, DIN left/right
- SVI 4139: Backset 45 mm, DIN left/right

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


Contact load capacity: 100 mA at max. 30 V DC

Bolt contact's contact load capacity: 0.5 A at max. 30 V DC
load capacity:*

* only for special items

3.5 Classification

3.5.1 Tubular frame locks

 dormakaba Deutschland GmbH DORMA Platz 1 - 58256 Ennepetal	
	0432-CPR-00026-11
	18
SVI 4xxx RR	EN 179:2008 3 7 7 B 1 4 5 2 A C
DOP_0166	

	0432-CPR-00026-02	18
SVI 4xxx RR	EN 1125:2008 3 7 7 B 1 4 2 1/2 A/B C	
DOP_0167		

3.5.2 Solid door locks

<div>CE</div> <div>dormakaba Deutschland GmbH</div> <div>DORMA Platz 1 - 58256 Ennepetal</div>		
	0432-CPR-00026-11	18
SVI 4xxx VB	EN 179:2008	377B1452AC
DOP_0162		

	0432-CPR-00026-02	18
SVI 4xxx VB	EN 1125:2008 3 7 7 B 1 4 2 1/2 A/B C	
DOP_0163		

4 Pin assignment



Note

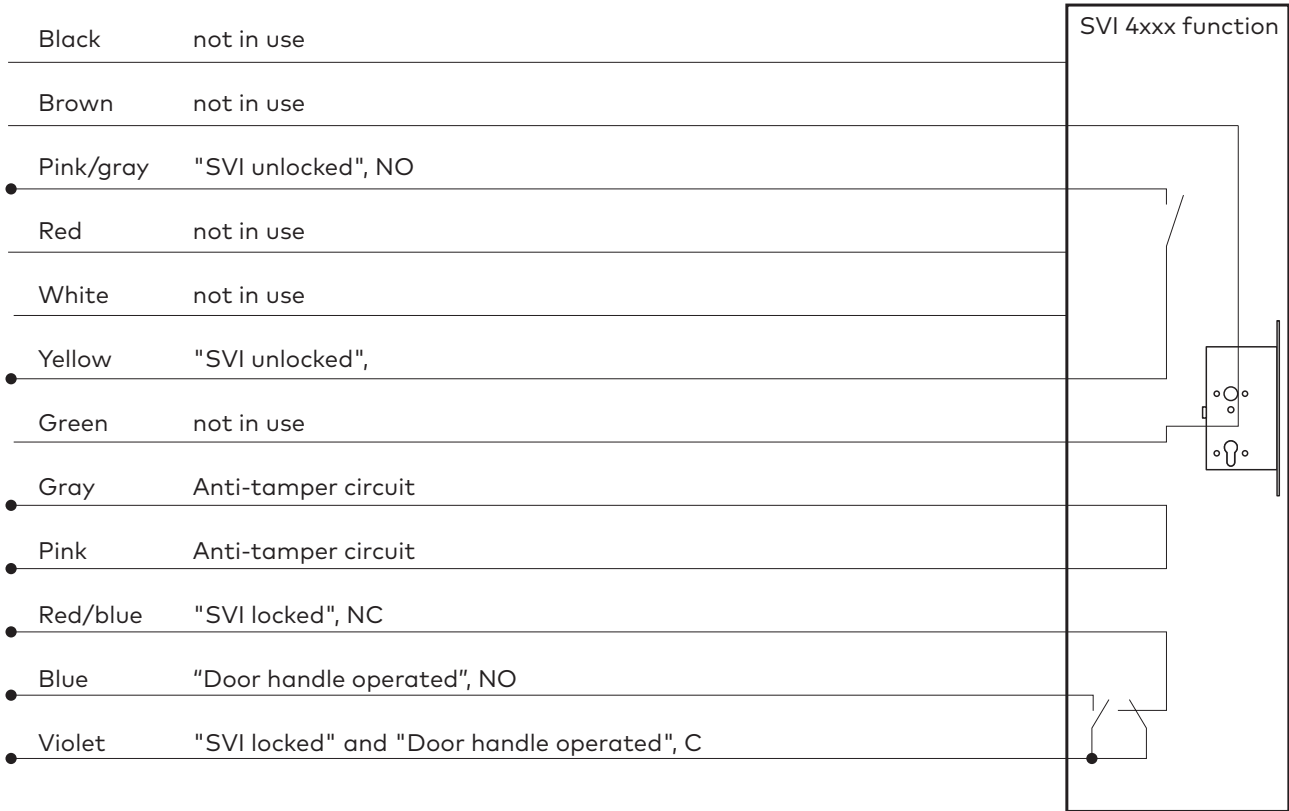
For earthed door frames, the bridge on the SVP-A x100 connection cable's plug must be disconnected.

Cable color SVP-A 1100/2100	Connection/function
Black	not in use
Red	not in use
White	not in use
Brown	Bolt contact*
Violet	SVI locked and door handle operated, C
Red/blue	SVI locked, NC
Blue	Door handle operated, NO
Green	Bolt contact*
Gray/pink	SVI unlocked, NO
Yellow	SVI unlocked, C
Gray	Anti-tamper circuit
Pink	Anti-tamper circuit

* Optional

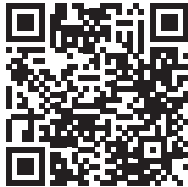
4.1 Block diagram SVI 4xxx function

Contact definition: Position of the switches when the door is closed and locked. Door handle not operated.



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 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.