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

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

① ②	Item numbers used in image caption
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2 Safety

2.1 Intended use

The SVA 4xxx is a lock for the active door leaf on 2-leaf door units.

- Only use the components approved by dormakaba for mounting:
 - SVI 4xxx or SVI 5xxx lock on passive door leaf
 - SVP-A 1100 or SVP-A 2100 connection cable
- 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 SVA 4xxx lock 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

- 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 SVA 4xxx lock is a mechanical lock for the active door leaf. The SVA lock locks automatically as soon as the door leaf is closed. In case of emergency, the door can be opened in the escape direction at any time. The SVA lock can query the status of the trip latch, bolt, door handle/panic bar and the locking cylinder.

Installation example

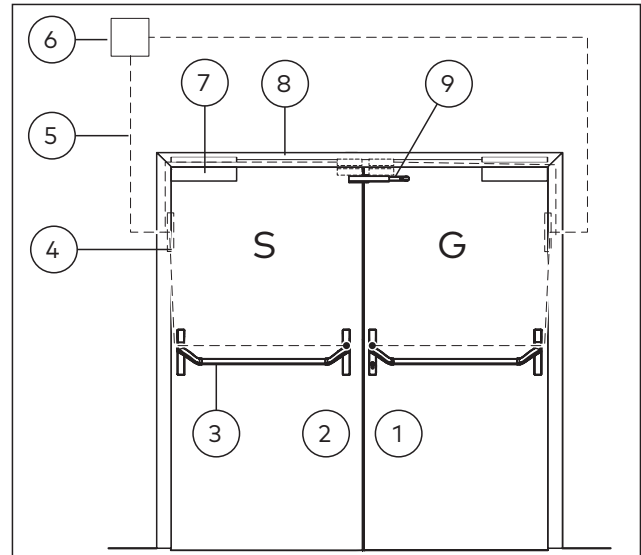


Fig. 1 Mechanical, monitored installation situation (example)

- (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) Connecting cable SVP-A 1100/2100
- (6) Monitoring (optional)
- (7) Door closer
- (8) Sequential locking control
- (9) Carry bar

3.1 Parts included

- SVA lock
- Screws required for mounting
- SVA 4xxx commissioning instructions

3.2 Door fittings required

Inner side of the door: Door handle or panic bar

Outer side of the door: Door knob (without function)

Locking pin: 9 mm square for interchangeable fittings

3.3 Technical data

Status messages via potential-free contacts		
Contact load capacity: 100 mA at max. 30 V DC		
Protection category: IP 54		
	Tubular frame locks	Solid door locks
Rear backset:	15 mm	33 mm
Distance between door handle and locking cylinder:	92 mm for profile cylinder 94 mm for round cylinder	72 mm profile cylinder 74 mm round cylinder
Bolt throw:	20 mm	20 mm
Temperature range:	-25°C to +70°C	
Relative humidity:	up to 95% at 55°C; no condensation	

3.4 Variants

Variants for rebated solid doors

Forend: 235 x 20 mm, for profile cylinder:

- SVA 4271: Backset 65 mm, DIN left
- SVA 4272: Backset 65 mm, DIN right
- SVA 4281: Backset 80 mm, DIN left
- SVA 4282: Backset 80 mm, DIN right
- SVA 4291: Backset 100 mm, DIN left
- SVA 4292: Backset 100 mm, DIN right

Forend: 235 x 20 mm, for round cylinder:

- SVA 4371: Backset 65 mm, DIN left
- SVA 4372: Backset 65 mm, DIN right
- SVA 4381: Backset 80 mm, DIN left
- SVA 4382: Backset 80 mm, DIN right
- SVA 4391: Backset 100 mm, DIN left
- SVA 4392: Backset 100 mm, DIN right

Variants for solid butt doors

Forend: 235 x 24 mm, for profile cylinder:

- SVA 4277: Backset 65 mm, DIN left/right
- SVA 4287: Backset 80 mm, DIN left/right
- SVA 4297: Backset 100 mm, DIN left/right

Forend: 235 x 24 mm, for round cylinder:

- SVA 4377: Backset 65 mm, DIN left/right
- SVA 4387: Backset 80 mm, DIN left/right
- SVA 4397: Backset 100 mm, DIN left/right

Variants for tubular frame doors

Forend: 270 x 24, for profile cylinder:


- SVA 4719: Backset 35 mm, DIN left/right
- SVA 4729: Backset 40 mm, DIN left/right
- SVA 4739: Backset 45 mm, DIN left/right

Forend: 270 x 24, for round cylinder:


- SVA 4819: Backset 35 mm, DIN left/right
- SVA 4829: Backset 40 mm, DIN left/right
- SVA 4839: Backset 45 mm, DIN left/right

3.5 Classification

Tubular frame locks

	dormakaba Deutschland GmbH DORMA Platz 1 - 58256 Ennepetal												
	0432-CPR-00026-96												18
SVA 4xxx RR	EN 12209:2003/ AC:2005	3	X	6	1	O	G	7	B	B	2	O	
DOP_0164													
	0432-CPR-00026-11												18
SVA 4xxx RR	EN 179:2008	3	7	7		B	1	4	5	2	A	A	
DOP_0166													
	0432-CPR-00026-01												18
SVA 4xxx RR	EN 1125:2008	3	7	7		B	1	4	2	1/2	A/B	A	
DOP_0167													

Solid door locks

	dormakaba Deutschland GmbH DORMA Platz 1 - 58256 Ennepetal												
	0432-CPR-00026-19												15
SVA 4xxx VB	EN 12209:2003/ AC:2005	3	X	9	1	O	G	7	B	B	2	O	
DOP_0160													
	0432-CPR-00026-11												17
SVA 4xxx VB	EN 179:2008	3	7	7		B	1	4	5	2	A	A	
DOP_0162													
	0432-CPR-00026-02												17
SVA 4xxx VB	EN 1125:2008	3	7	7		B	1	4	2	1/2	A/B	A	
DOP_0163													

4 Pin assignment

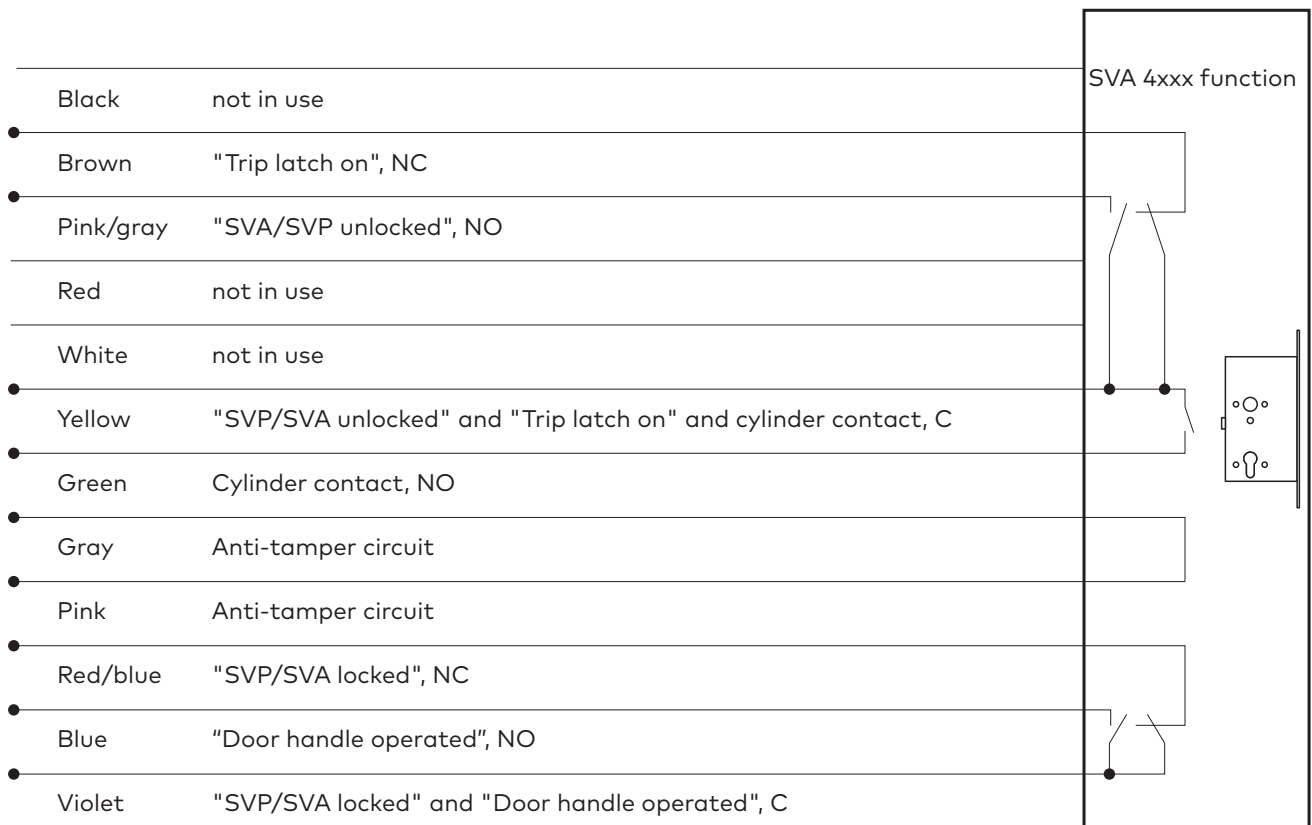


Note

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

4.1 Block diagram

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



5 Mounting

See SVA/SVI assembly instructions.



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

SVI commissioning manuals



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

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.