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1 About this document

1.1 Contents and purpose

SVP/SVZ door locks are available in various designs for tubular frame doors and for solid doors. This manual describes mounting in tubular frame and solid doors.

1.2 Target group

SVP/SVZ door locks must only be mounted by technically qualified personnel.

1.3 Other applicable documents

- Manual for the connection cable SVP-A 1100/2100 (not necessary for SVP 5000)
- Mounting instructions for the components used, e.g. the door handle

1.4 Abbreviations

SVP	Emergency lock with self locking action
SVZ	Access control lock with self locking action, without emergency escape action
2000, 2000F, 4000, 5000, 6000	All versions of a door lock; the exact lock type is marked with 3 digits instead of zeros.
TMS Soft®	Software for the dormakaba door management system (TMS)

DCW® bus	DCW® is the short form for "DORMA Connect & Work". A dormakaba-owned fieldbus system for the connection of up to 4 identical components to a DCW® central unit.
CAN bus	Serial fieldbus system according to ISO 11898-3, for connecting several components to one cable harness
RR	Tubular frame locks
VB	Solid door locks

1.5 Symbols used

1.5.1 Hazard categories



WARNING

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



ATTENTION

This signal word indicates a situation of potential risk, which could lead to damage to property or the environment if not averted.



TIPS AND RECOMMENDATIONS

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

1.5.2 More symbols



Sequence of action steps



Item numbers used in image caption

SVP/SVZ door locks

Mounting instructions

WN 059744 45532/14767

2020-03

EN

2 Safety

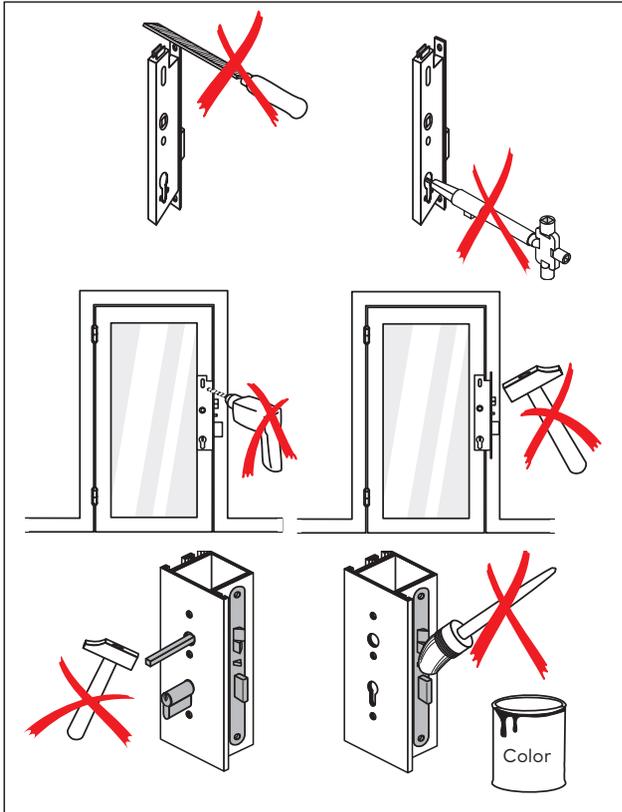


Fig. 1 Do not damage the product

2.1 Intended use

SVP/SVZ door locks are used to lock doors automatically and securely each time they are closed. The SVP door locks can be opened from the panic side in the escape direction at any time using the door handle. The SVZ door lock can only be opened from the inside or outside with the key. Once the electromagnet is actuated, the handle is engaged and the door lock can be unlocked on both sides by operating the handle. SVZ locks must therefore not be used along escape routes.

- 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.
- Only mount the striking plate supplied. Striking plates from other manufacturers must be approved by dormakaba.
- If an SVP door lock with a bolt contact switch is used for a burglar alarm system, the VdS-certified bolt contact switch RK from dormakaba (item no. 15198000) must be used. This is the only way to ensure that the dead bolt throw functions correctly.
- Panic locks may only be mounted on fire and smoke protection doors if the usability certificates for these doors provide for the mounting, and if the requirements are followed.
- The following SVP door locks are suitable for use on fire and smoke protection doors: SVP 5000, SVP 4000, SVP 6000, SVZ 6000, SVP 2000F.

- The SVP 2000 may only be used in fire and smoke protection doors in combination with the external Power Reserve module "SVP-PR DCW®" (item no: 70922601).
- If an SVP 2000 or SVP 2000F is operated in Stand Alone mode in a fire and smoke protection door, the use of a smoke detector is recommended. In the event of a fire, it must be ensured that the locks' electrical motor controls are disconnected from the power supply by a smoke detector provided by the building supervisory authority or that the control/supply lines to the respective lock are interrupted. With smoke protection doors, the smoke detector must respond to the fire parameter "smoke". The wiring of a smoke detector with an SVP 2000 or SVP 2000F must be carried out according to the wiring diagram (see 7.2 on page 19).

2.2 Not intended use

- The lock-case 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 Limitations on use

- 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

3.1 Basic functions

SVP/SVZ door locks lock swing doors automatically and immediately after each closing by automatically pushing the bolt into the striking plate (insurance-compliant lock). At the same time, the cross latch blocks so that a two-point locking system is created. This offers additional security against manipulation or breaking of the door lock. In case of emergency, the SVP door locks (except SVZ) can be unlocked and opened in the escape direction at any time using the door handle. These features ensure that SVP door locks (except SVZ) comply with EN 179 for emergency exit devices and EN 1125 for panic exit devices. The SVP/SVZ door locks 4000, 6000 and 2000/2000F can query the status of the control latch, dead bolt, door handle and locking cylinder.

3.2 Installation situation

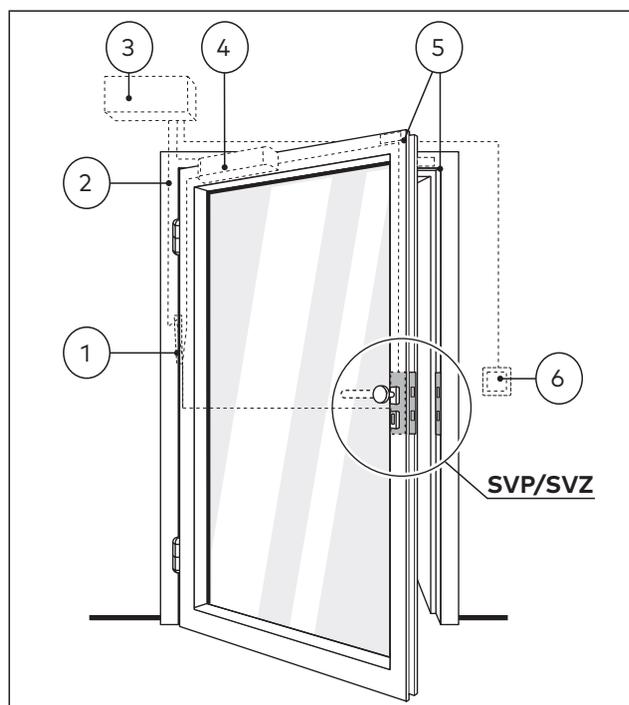


Fig. 2 Additional components (not for SVP 5000)

- 1 Cable transfer CT, cable spiral CS and if necessary detachable cable transfer DT
- 2 Connecting cable SVP-A 1100/2100
- 3 Control unit, e.g. SVP-S 3x/4x (optional for SVP 2000/SVP2000F)
- 4 Door closer or door operator
- 5 Door contact TC (optional)
- 6 Access control components

3.3 Technical information

All SVP/SVZ door locks

Temperature range	-25°C to +70°C
Relative humidity:	up to 95 % at 55 °C; no condensation
Protection category:	IP 54
DIN direction:	can be used left/right
SVP 6xxx only:	DIN left
SVP 6xxx only:	DIN right

Installation position: vertical

	Tubular frame locks	Solid door locks
Backset:	35, 40 or 45 mm	55, 60, 65, 80 or 100 mm
Rear backset:	15 mm	33 mm
Forend:	24 mm wide, 270 mm high, angular/square	20 mm or 24 mm wide, 235 mm high, round
Distance between door handle and locking cylinder (center-center-distance):	92 mm for profile cylinder 94 mm for round cylinder	72 mm profile cylinder 74 mm round cylinder
Follower to inner square:	9 mm	
Dead bolt throw:	20 mm	

SVP 5000

Supply voltage:	none (mechanical only)
Power consumption:	none (mechanical only)

SVP 4000, SVP 6000 and SVZ 6000

Supply voltage:	12 – 24 V DC stabilized (+/- 10 %)
Power consumption:	0.15 A (max. 0.3 A)
Contact load capacity:	100 mA at max. 30 V DC

SVP 2000 and SVP 2000F

Supply voltage:	24 V DC stabilized (+/- 15 %)
Power consumption:	0.05 A (max. 0.3 A)
Bus operation:	DCW® bus or CAN bus (ISO 11898-3)

3.4 Variants

Versions of the SVP/SVZ door locks are available for various applications:

- The **SVP 5000** is a mechanical door lock. When the door is closed, the door lock locks automatically. The SVP 5000 is also suitable for retrofitting doors in which no connection cable can be laid.
- The **SVP 4000** is an electrically monitored door lock. When the door is closed, the door lock locks automatically.
- The **SVP 6000** is an electrically monitored door lock. When the door is closed, the door lock locks automatically. In addition, the door handle can be electrically engaged or disengaged on the access side. This makes the door lock suitable for doors that occasionally need to be opened from the outside, but are usually locked.
- The **SVZ 6000** is an electrically monitored door lock with the same functions as the SVP 6000, which is used with access control components (e.g. code card reader). Only authorized persons can unlock the door lock from the outside or from the inside. When the door is closed, the door lock locks automatically. The SVZ 6000 must not be used along escape routes because it does not have an emergency escape function.
- The **SVP 2000** is a motorized lock whose function can be controlled electronically. When the door is closed, the door lock locks automatically. It is operated separately (stand-alone, without feedback contacts) or on an external control unit via a DCW® bus or a CAN bus. Operation on an electric door operator with integrated control unit is also possible, e.g. with the ED 100/ED 250. The SVP 2000 may only be used in fire and smoke protection doors in combination with the external Power Reserve module "SVP-PR DCW®" (item no: 70922601)!
- The **SVP 2000F** is a motorized lock with the same functions as the SVP 2000, which is also approved for use in fire and smoke protection doors. The SVP 2000F contains an integrated Power Reserve module. The SVP 2000F cannot be switched to "permanently open" because this function is not permitted for use on fire and smoke protection doors.
- The SVP locks SVP 2000 and SVP 2000F are compatible with an ED100 or ED250 from the ED firmware version V2.200 upwards. If the EDs have an older firmware version, this must be updated.

3.5 Classification

3.5.1 Tubular frame locks

CE	dormakaba Deutschland GmbH Postfach 4009 - 58247 Ennepetal
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	0432-CPR-00026-96	18
SVP 4000 RR SVP 5000 RR	EN 12209:2003/ AC:2005	3 X 6 1 0 G 7 B B 2 0
DOP_0164		

	0432-CPR-00026-97	18
SVP 2000 RR	EN 14846:2008	3 S 6 E* O M 7 1 1**/3
DOP_0165		

	0432-CPR-00026-97	18
SVP 2000F RR	EN 14846:2008	3 S 6 E O M 7 1 1**/3
DOP_0165		

	0432-CPR-00026-97	18
SVP 6000 RR SVZ 6000 RR	EN 14846:2008	3 X 6 E O M 7 1 3
DOP_0165		

	0432-CPR-00026-11	18
SVP 2000 RR	EN 179:2008	3 7 7 B* 1 4 5 2 A B/D
DOP_0166		

	0432-CPR-00026-11	18
SVP 2000F RR SVP 4000 RR SVP 5000 RR SVP 6000 RR	EN 179:2008	3 7 7 B 1 4 5 2 A B/D
DOP_0166		

	0432-CPR-00026-01	18
SVP 2000 RR	EN 1125:2008	3 7 7 B* 1 4 2 1/2 A/B B
DOP_0167		

	0432-CPR-00026-01	18
SVP 2000F RR SVP 4000 RR SVP 5000 RR SVP 6000 RR	EN 1125:2008	3 7 7 B 1 4 2 1/2 A/B B
DOP_0167		

* only with external PR module "SVP-PR DCW®"
(item no: 70922601)
** operation mode "Stand Alone"

3.5.2 Solid door locks

CE	dormakaba Deutschland GmbH Postfach 4009 - 58247 Ennepetal
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	0432-CPR-00026-19	15
SVP 4000 VB SVP 5000 VB	EN 12209:2003/ AC:2005	3 X 9 1 0 G 7 B B 2 0
DOP_0160		

	0432-CPR-00026-08	15
SVP 2000 VB	EN 14846:2008	3 S 5 E* O L 7 1 1**/3
DOP_0161		

	0432-CPR-00026-08	15
SVP 2000F VB	EN 14846:2008	3 S 5 E O L 7 1 1**/3
DOP_0161		

	0432-CPR-00026-08	15
SVP 6000 VB SVZ 6000 VB	EN 14846:2008	3 S 5 E O L 7 1 3
DOP_0161		

	0432-CPR-00026-11	17
SVP 2000 VB	EN 179:2008	3 7 7 B* 1 4 5 2 A B/D
DOP_0162		

	0432-CPR-00026-11	17
SVP 2000F VB SVP 4000 VB SVP 5000 VB SVP 6000 VB	EN 179:2008	3 7 7 B 1 4 5 2 A B/D
DOP_0162		

	0432-CPR-00026-02	17
SVP 2000 VB	EN 1125:2008	3 7 7 B* 1 4 2 1/2 A/B B
DOP_0163		

	0432-CPR-00026-02	17
SVP 2000F VB SVP 4000 VB SVP 5000 VB SVP 6000 VB	EN 1125:2008	3 7 7 B 1 4 2 1/2 A/B B
DOP_0163		

* only with external PR module "SVP-PR DCW®"
(item no: 70922601)
** operation mode "Stand Alone"

3.6 Tubular frame locks

3.6.1 Parts included

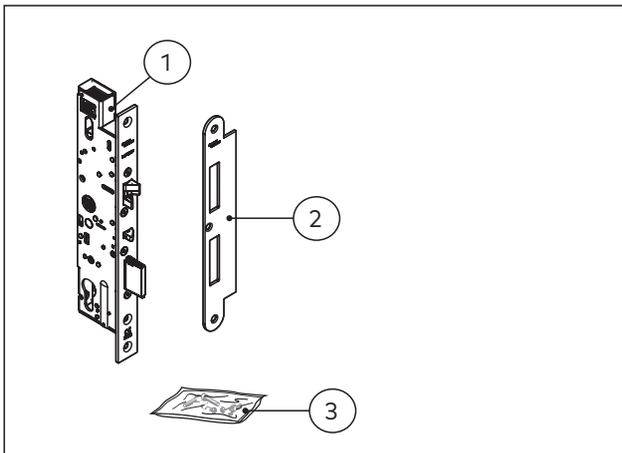


Fig. 3 Parts included

- 1 Door lock
- 2 Lipped striking plate
- 3 Screws

3.6.2 Lock dimensions

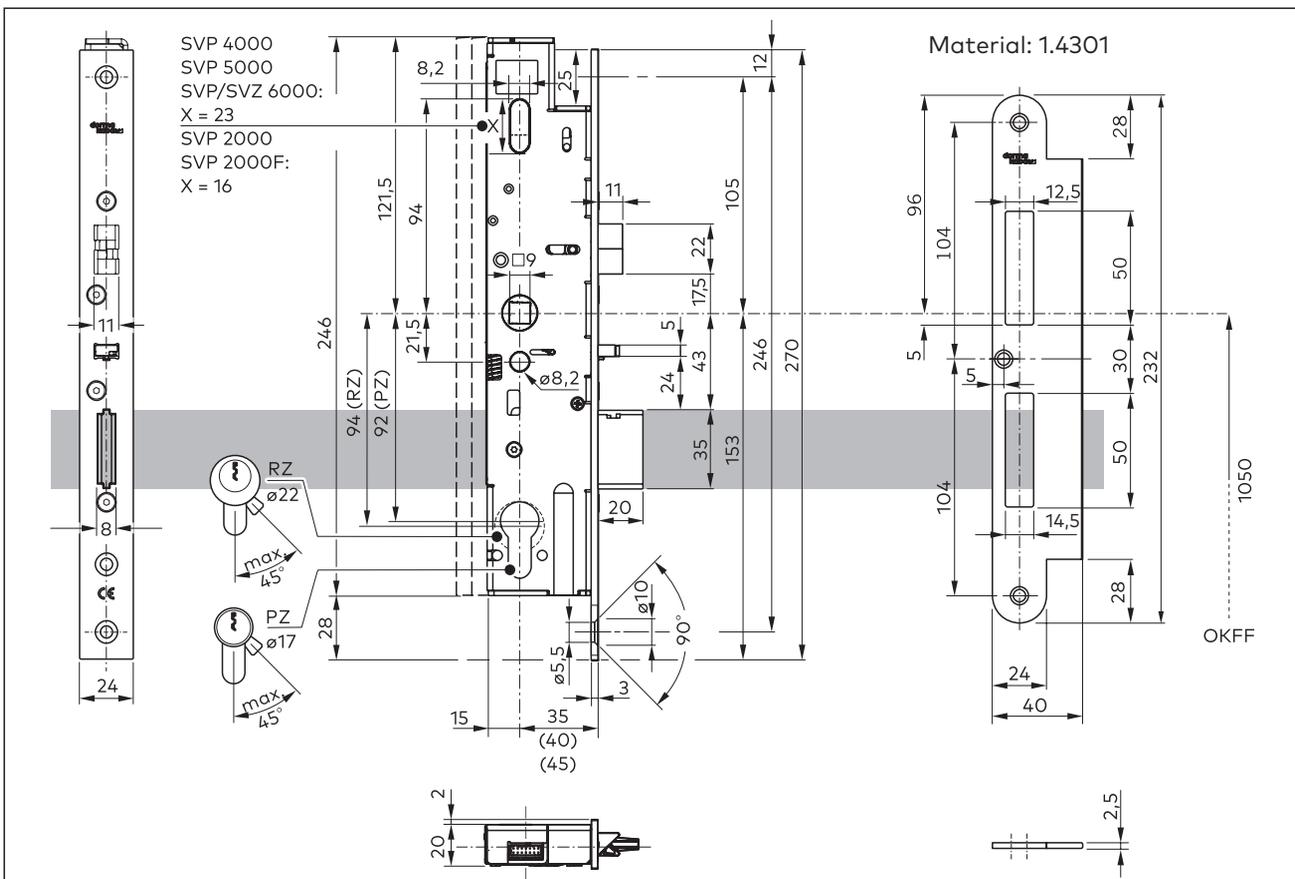


Fig. 4 Lock dimensions

4 Mounting

4.1 Safety during mounting



WARNING

Danger to life from crowding in front of a jammed door.

If the door leaf is deformed by more than 5 mm, the door may not always open reliably!

- SVP door locks should only be installed in doors with a maximum deformation of 5 mm!
- In case of more severe deformation, verify that the door opens reliably with the fitting!



TIPS AND RECOMMENDATIONS

- The mounting is shown on a DIN-left door. For a DIN-right door, the procedure must be mirror-inverted.
- The mounting is shown with a long plate. For other door fittings, other mounting points may have to be used.



TIPS AND RECOMMENDATIONS

Mounting on fire and smoke protection doors is only permitted if the usability certificates for these doors provide for the mounting, and if the requirements are followed.

4.2 Requirements for mounting

- The door corresponds to the specifications in Fig. 9 and is deformed by a maximum of 5 mm.
- For mounting along escape routes:
The door opens in the escape direction. If the door opens in the opposite direction to the escape direction, a building authority permit must be obtained.
- There are recesses and pre-drilled holes in the door leaf (see chapter 4.4).
- There are recesses and pre-drilled holes in the door frame (see chapter 4.4).
- For all locks except SVP 5000:
The door leaf is equipped with the connection cable SVP-A 1100/2100.
- If the door leaf is equipped with the SVP-A 1000 connection cable, then the "SVP-A Adapter (A1000)" must be used (item no: 70932991).

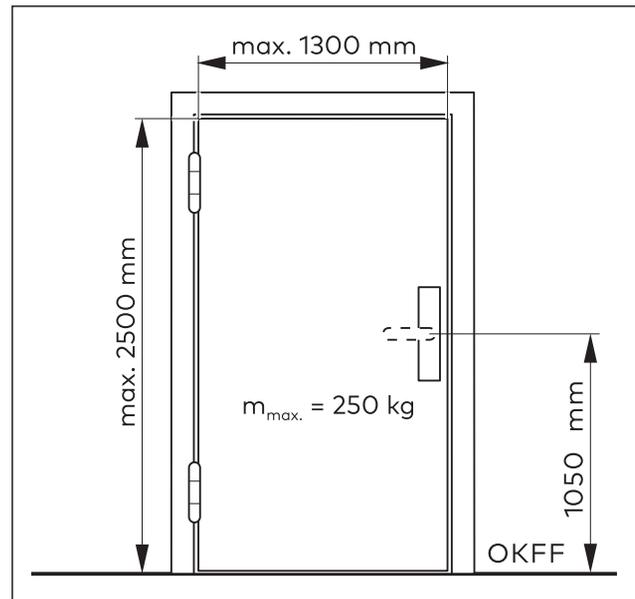


Fig. 9 Requirements for the door

4.3 Tools and auxiliary materials

The following must also be available on site:

- a locking cylinder – a profile cylinder or a round cylinder depending on the perforation in the lock case and in the door leaf
- for the inner side of the door: one door handle (according to EN 179) or one panic bar (according to EN 1125)
- for the outer side of the door: one door knob
- for SVP/SVZ 6000: a 2nd door handle (for SVP 6000: with splitted spindle) and an access control component which controls the magnet with a voltage between 12-24 V DC.

4.4 Preparatory work

4.4.1 Mill-cut and drill door leaf and door frame for tubular frame locks

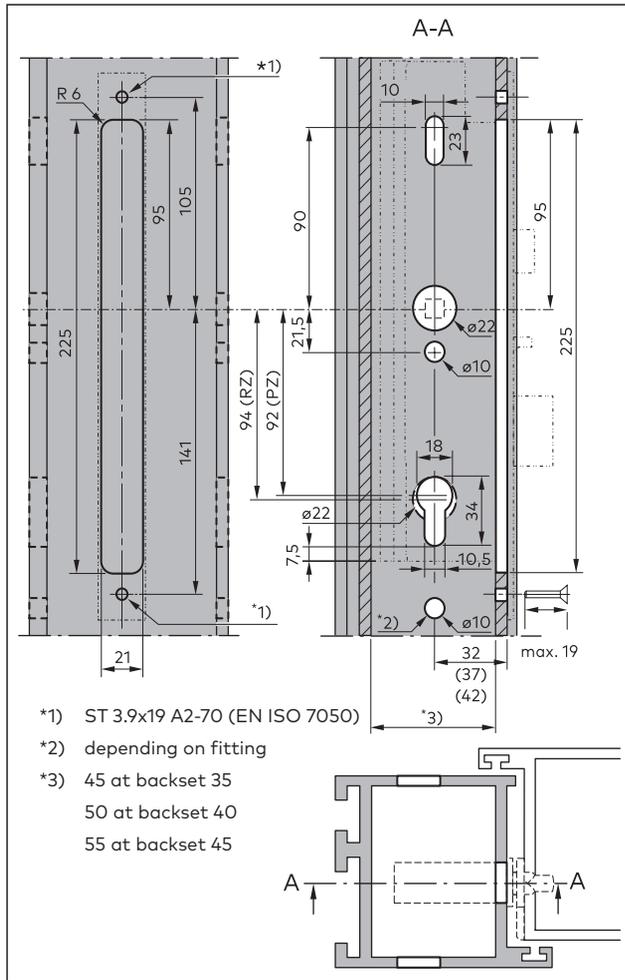


Fig. 10 Cut-outs and pre-drilled holes in door leaf

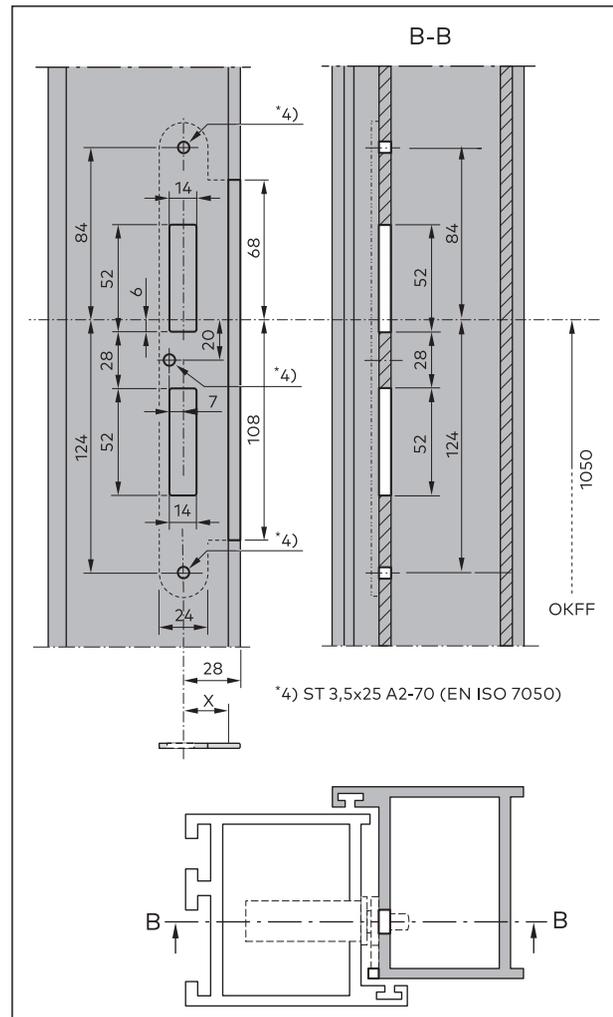


Fig. 11 Cut-outs and pre-drilled holes in door frame

4.4.2 Mill-cut and drill door leaf and door frame for solid door locks

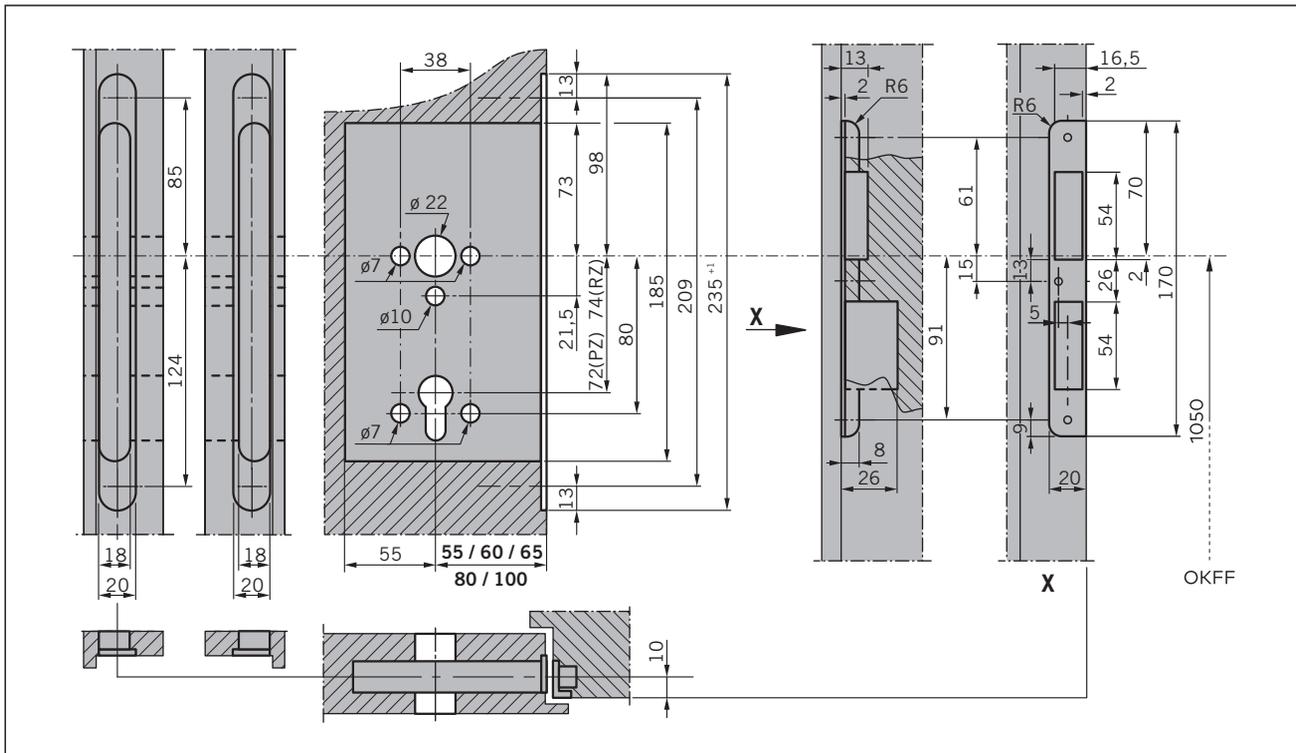


Fig. 12 Cut-outs and pre-drilled holes in the door leaf and door frame with an angled striking plate

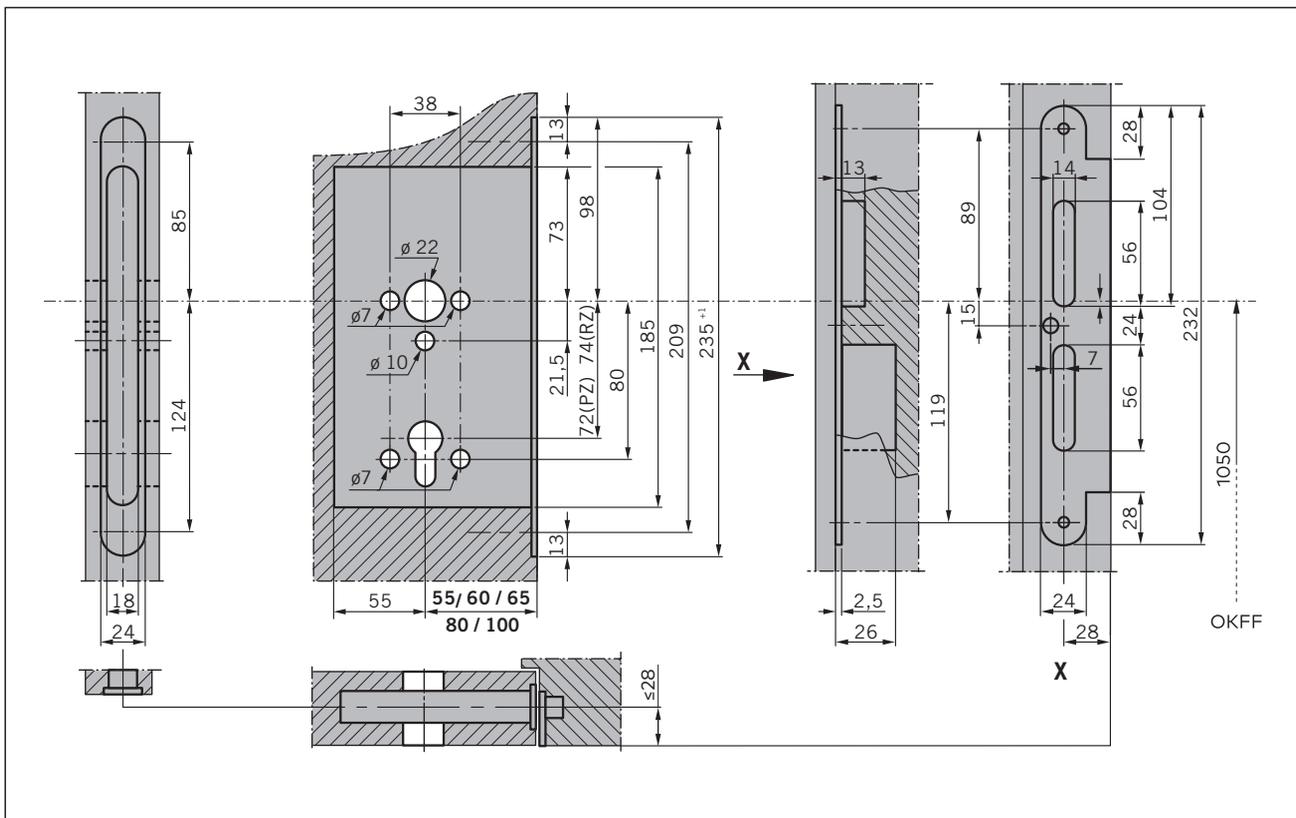


Fig. 13 Cut-outs and pre-drilled holes in the door leaf and door frame with a lipped striking plate

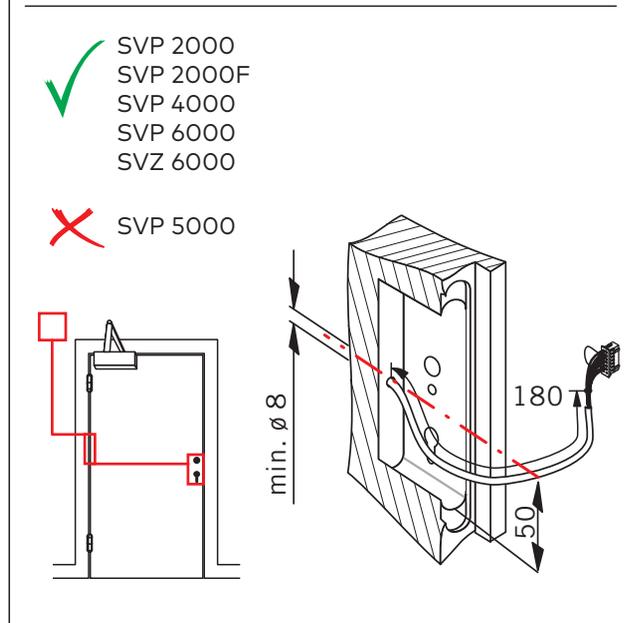
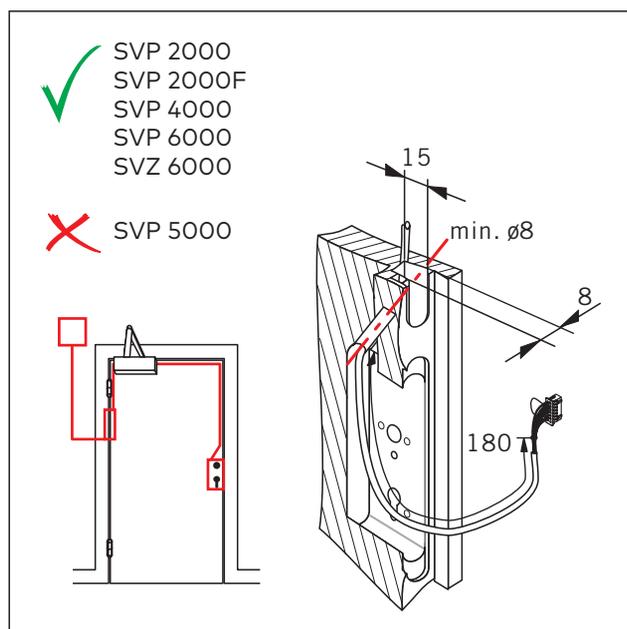


Fig. 14 Recesses and pre-drilled holes in the door leaf for wiring

4.5 Mount locks

4.5.1 Mount tubular frame lock

1. Connect the cable (Fig. 15).



TIPS AND RECOMMENDATIONS

If a lock is being replaced, a cable with a severed bridge can still be used.

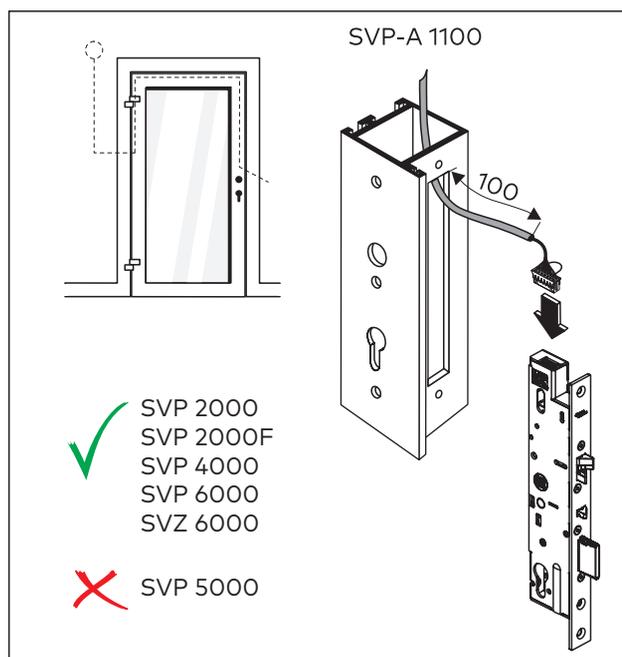


Fig. 15 Connect cable

2. Insert the door lock into the door leaf recess (Fig. 16).

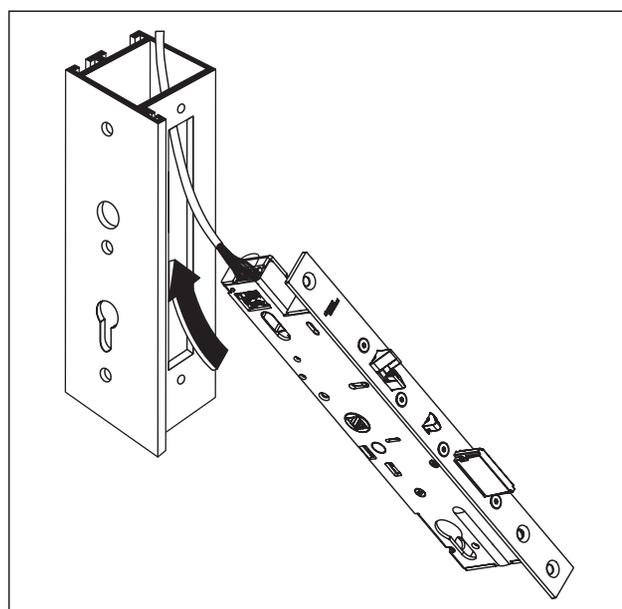


Fig. 16 Insert door lock

3. Screw the door lock tight (Fig. 17).

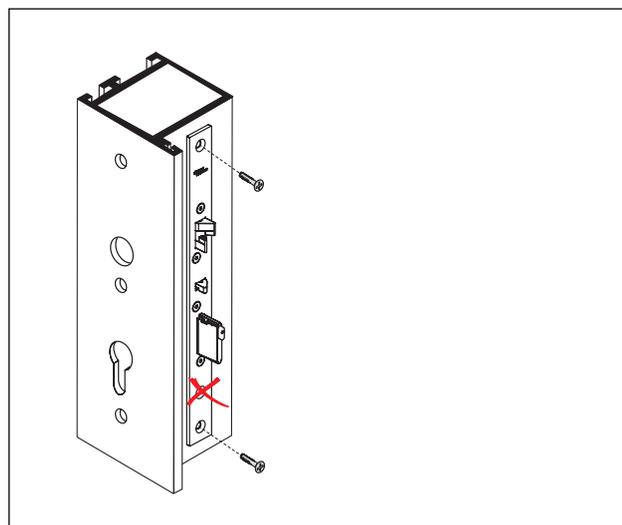


Fig. 17 Screw door lock tight

4. Mount the door handle and locking cylinder (Fig. 18).

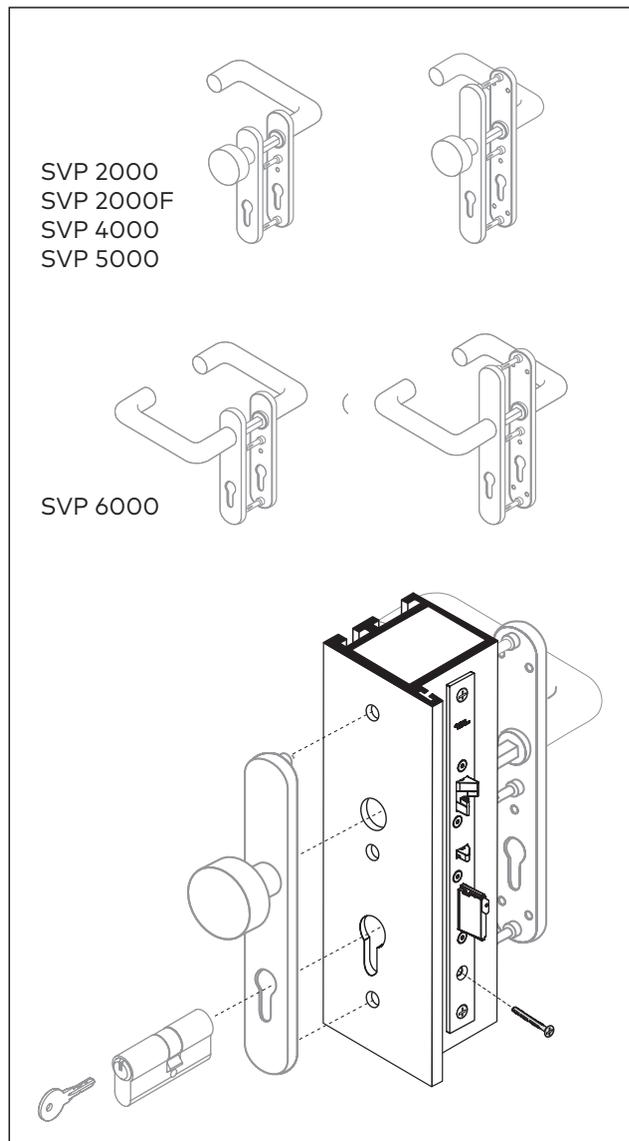


Fig. 18 Mount door handle and locking cylinder

5. Adjust the striking plate (Fig. 19).

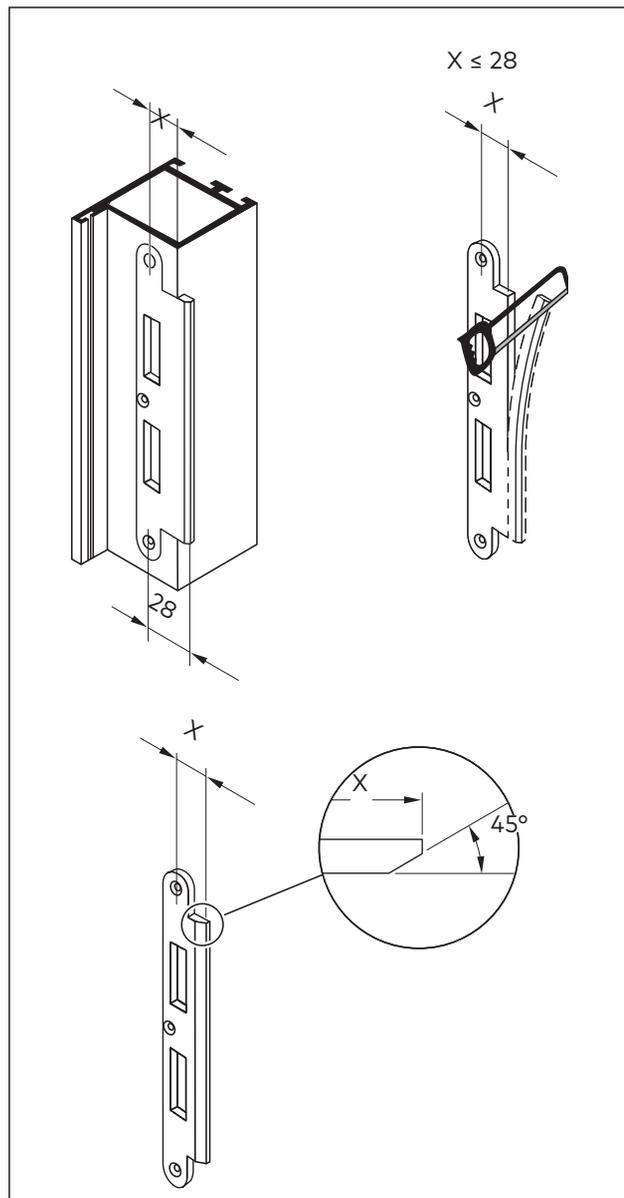


Fig. 19 Dimensions of the adjustments

6. Mount the striking plate (Fig. 20).

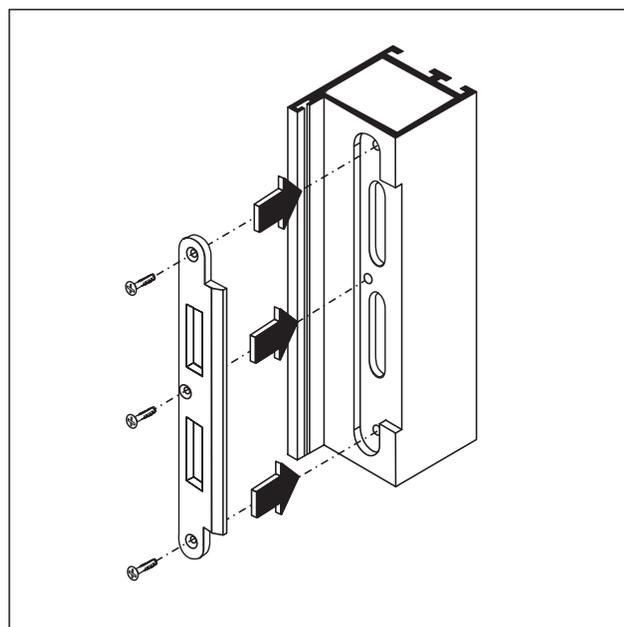


Fig. 20 Mount striking plate

4.5.2 Mount wide style door lock

1. If necessary, change operating mode fail secure (AS) to fail safe (RS)(Fig. 21).

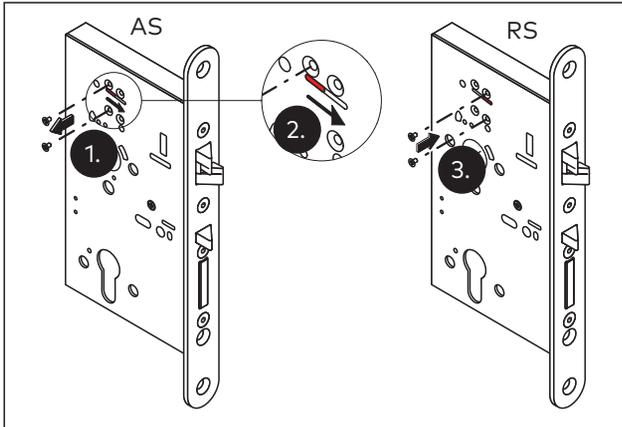


Fig. 21 Change fail secure to fail safe operating current

2. Connect the cable (Fig. 22).

TIPS AND RECOMMENDATIONS

If a lock is being replaced, a cable with a severed bridge can still be used.

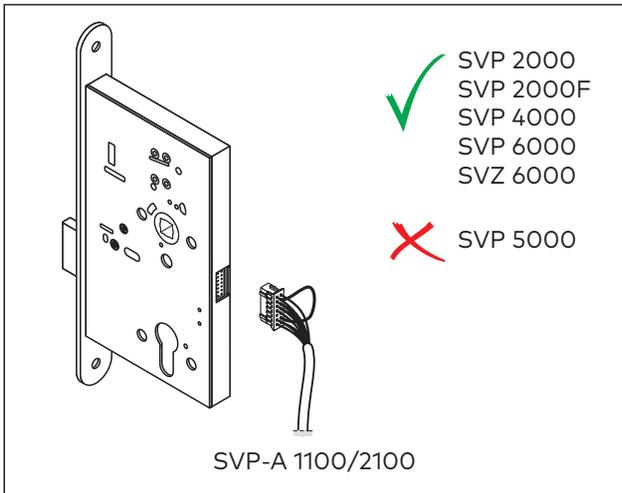


Fig. 22 Connect cable

3. Insert the door lock into the door leaf cut-out (Fig. 23).

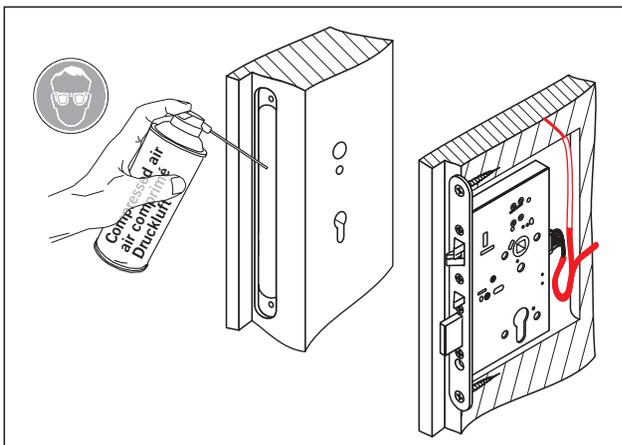


Fig. 23 Insert door lock

4. Screw the door lock tight (Fig. 24).

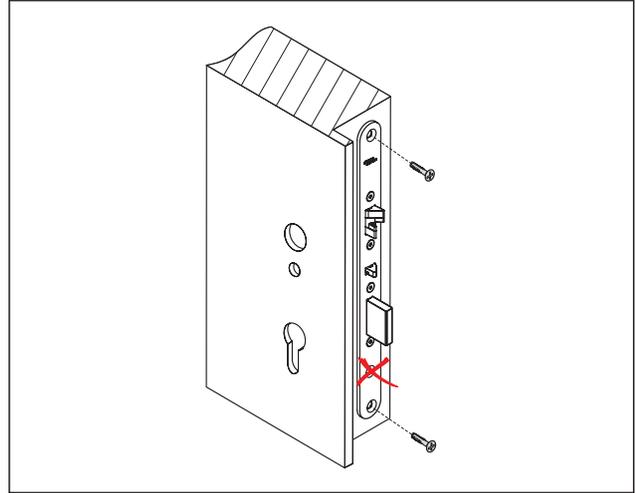


Fig. 24 Screw door lock tight

- 5.



Attention!

Risk of property damage due to the use of an incorrect cylinder screw with the locks SVP 2000 and SVP 2000F.

Mount the door handle and locking cylinder (Fig. 25). For SVP 2000/2000F locks, use only the screw supplied with the lock to secure the cylinder (DIN EN ISO 7046-1, M5 x (backset + 5 mm)).

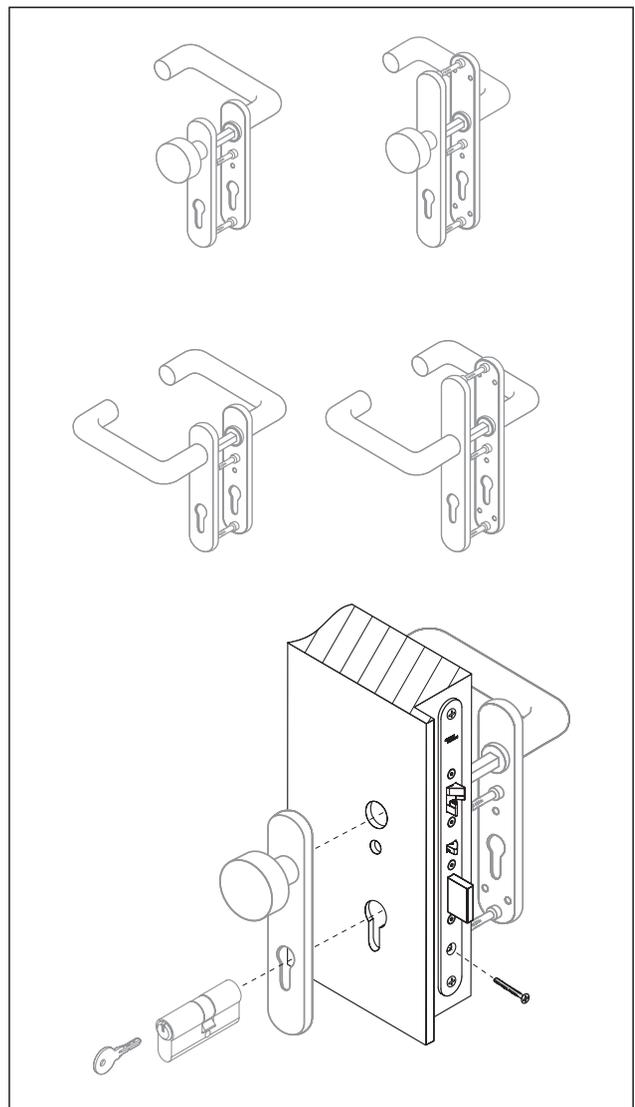


Fig. 25 Mount door handle and locking cylinder

6. Adjust the striking plate (Fig. 26).

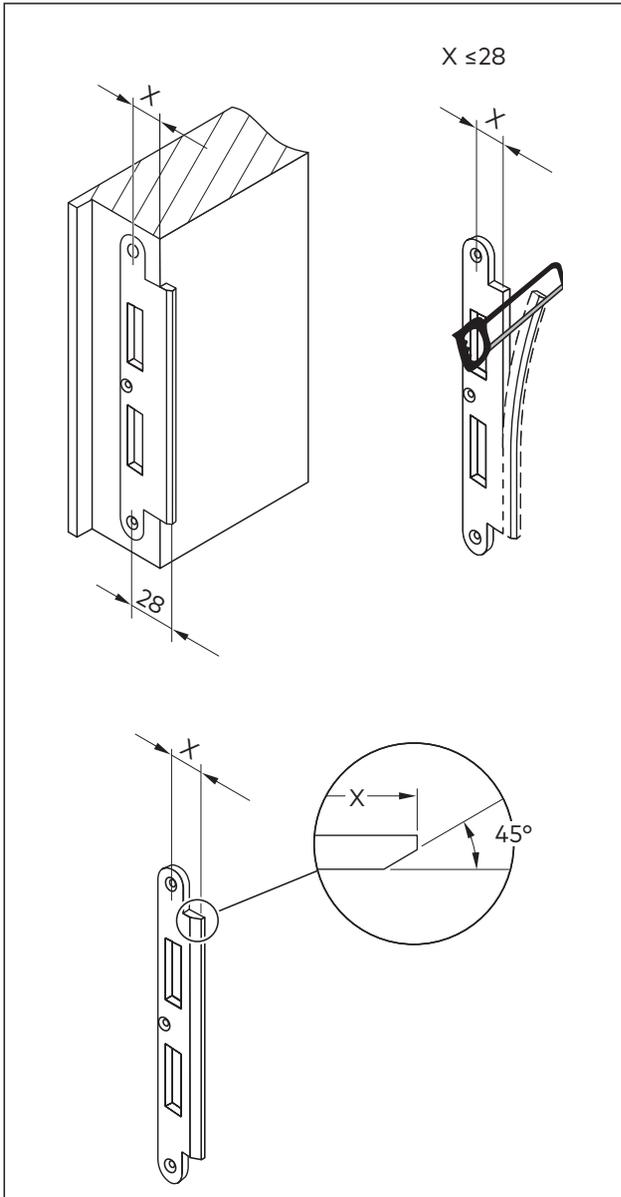


Fig. 26 Dimensions of the adjustments

7. Mount the striking plate (Fig. 27).

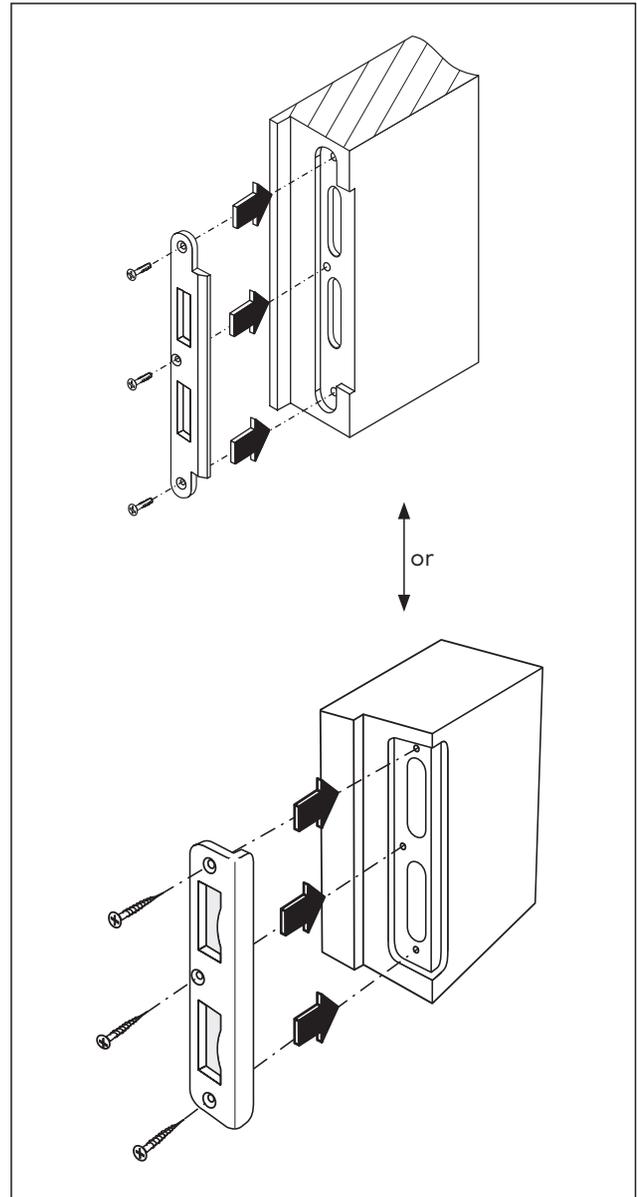


Fig. 27 Mount striking plate

5 Parameterization (SVP 2000/2000F only)

5.1 LED display

With the SVP 2000 and SVP 2000F, colored light signals in the area around the bolt indicate the status of the parameterizable settings (Fig. 28 and Fig. 29). The LED is covered by the forend and is not directly visible. The LED color indicates the operation mode when the door is open (see chapter 5.2.1). The LED display signals the options selected during parameterization (see chapters 5.6.1 to 5.6.3). In addition, the LED display shows the error messages (see chapter 9).

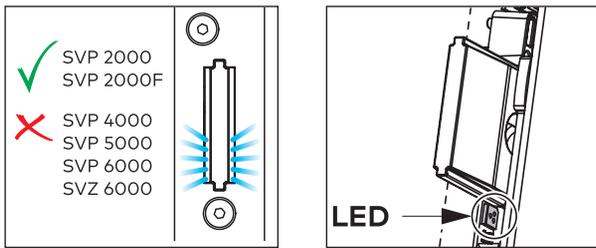


Fig. 28 LED display in bolt recess for tubular frame locks

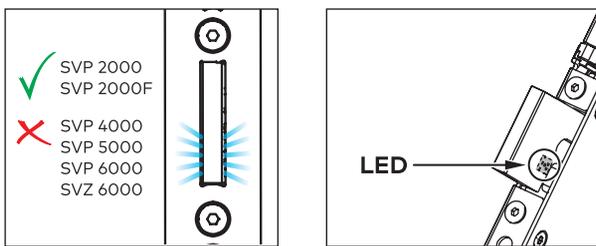


Fig. 29 LED display in bolt recess for solid door locks

5.2 Adjustable parameters

5.2.1 Operation mode

The operation mode determines whether and how the signals are transmitted between the door lock and the control unit. During normal operation, the LED lights up in the operation mode's color as soon as the door is opened.

Operation mode	LED display
DCW® bus	 blue
CAN bus	 yellow
Stand Alone	 orange

In DCW® bus operation, the SVP 2000/2000F can be combined with a DCW® component, e.g. a SVP-S 4x/SVP-S 3x control unit, a SafeRoute® SCU or the ED 100/ED 250 swing door operator. In DCW® bus or CAN bus operation, the lock is controlled externally. In Stand Alone operation a potential-free switch can, for example, be connected (without feedback contacts).

5.2.2 Bus address

The components on a bus must be registered with a unique address. SVP door locks can be assigned addresses 1 to 4. If a door lock with address 1 is already connected to the door, a different address

must be set on the second SVP door lock (see chapters 5.6.1 and 5.6.2).

5.2.3 End resistor

In the CAN bus operation mode, the terminating resistor must be switched on for the door lock with the greatest distance to the bus center point.

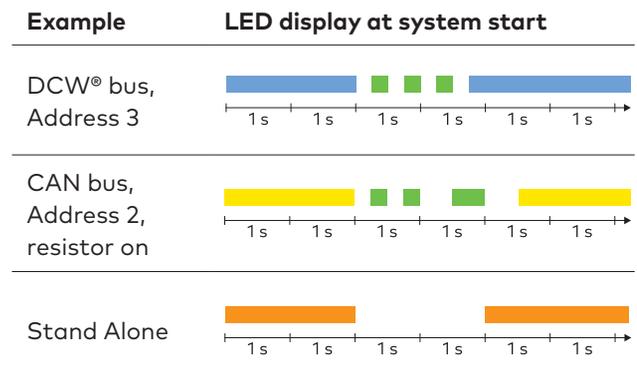
5.3 Default settings

Parameter	Default setting
Operation mode	DCW® bus
Bus address	1
Terminating resistor (only on CAN bus)	switched off

5.4 Display at system start

As soon as the operating voltage is switched on, the LED displays the last set parameters one after the other when the door is open:

- Operation mode: The LED lights up blue, yellow or orange for 2 s.
- Bus address in DCW® or CAN bus operation: The LED flashes green 1 x - 4 x (depending on the DCW address).
- Terminating resistor (only in CAN bus operation) The LED lights up green for 1 s when the resistor is switched on. If the resistor is switched off, there is no additional signaling.



5.5 Change parameters

5.5.1 Requirements

- The door lock is mounted (see chapter 4) and is under operating voltage.
- The system was de-energized for min. 30 seconds before start-up.
- The system was started up max. 20 min ago.
- The LED is not signaling an error (see chapter 9) and indicates an operation mode (see chapter 5.2.1).



TIPS AND RECOMMENDATIONS

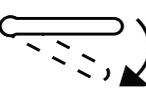
Read the entire procedure.

Changed parameters must be saved within 5 min, otherwise parameterization is aborted (see chapter 5.6.5).

5.6 Parameterization

The parameters are set from the inside of the door in its installed state. The switches in the door lock are operated with a door handle or key.

Symbol	Operating method
 10 s	To start parameterization or to save changed parameters: Turn the door key in the locking cylinder in the unlocking direction until it stops and hold it there for at least 10 s.

Symbol	Operating method
	To jump from one selection to the next: Turn the door key briefly in the locking cylinder in the unlocking direction until it stops.
	To jump from setting to setting within a selection: Briefly press down the door handle until it stops.

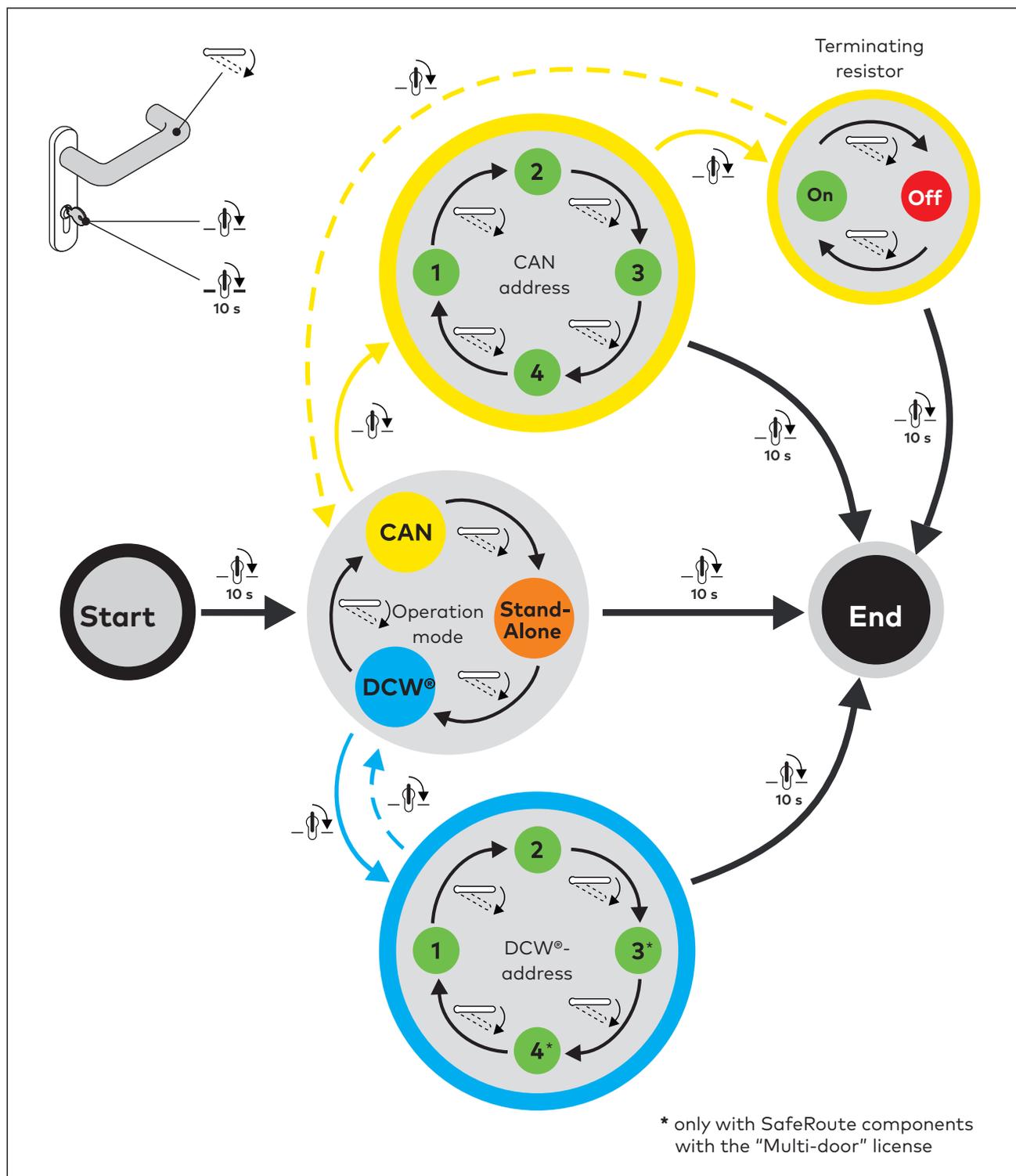


Fig. 30 Flow chart

5.6.1 Set for DCW® bus

Address assignment is only required in conjunction with a SafeRoute system with multi-door application.

1. Open the door and release the door handle.
 - ▶ The LED is constantly lit up.
2. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes.
3. Turn the key back to its starting position.
4. Press the door handle down repeatedly and check the operation mode until the LED flashes blue.
5. Turn the key briefly in the unlocking direction until it stops.
 - ▶ The LED flashes green 1 x - 4 x:
1 x flashing = address 1 (suggested for most applications)
2 x flashing = address 2 etc.
The signal repeats itself after a pause of 2 s.
6. Press the door handle down repeatedly and check the DCW® address until the desired address is reached.
7. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes green for 2 s and then lights up constantly blue.

→ **The door lock is set for operation on the DCW® bus.**
8. Turn the key back to its starting position.

5.6.2 Set for CAN bus

1. Open the door and release the door handle.
 - ▶ The LED is constantly lit up.
2. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes.
3. Turn the key back to its starting position.
4. Press the door handle down repeatedly and check the operation mode until the LED flashes yellow.
5. Turn the key briefly in the unlocking direction until it stops.
 - ▶ The LED flashes green 1 x - 4 x:
1 x flashing = address 1
2 x flashing = address 2 etc.
The signal repeats itself after a pause of 2 s.
6. Press the door handle down repeatedly and check the CAN address until the desired address is reached.
7. If the terminating resistor does not need to be changed (see chapter 5.2.3), continue with step 9.

8. Turn the key briefly in the unlocking direction until it stops.
 - ▶ The LED flashes red or green.
The signal repeats itself after a 2 s pause.
9. Press the door handle down repeatedly until the desired terminating resistor function is reached.
 - ▶ LED flashes green or red.
10. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes green for 2 s and then lights up constantly yellow.

→ **The door lock is set for operation on the CAN bus.**
11. Turn the key back to its starting position.

5.6.3 Set for Stand Alone operation

1. Open the door and release the door handle.
 - ▶ The LED is constantly lit up.
2. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes.
3. Turn the key back to its starting position.
4. Press the door handle down repeatedly and check the operation mode until the LED flashes orange.
5. Turn the key in the unlocking direction until it stops and hold it there for 10 s.
 - ▶ The LED flashes green for 2 s and then lights up constantly orange.

→ **The door lock is set for Stand Alone operation.**
6. Turn the key back to its starting position.

5.6.4 Jump back to the selection

- Jump back from the DCW® address selection to the operation mode selection:
Turn the key briefly in the unlocking direction until it stops 1 x.
- Jump back from the CAN address selection to the operation mode selection:
Turn the key briefly in the unlocking direction until it stops 2 x.

5.6.5 Cancel parameterization

- If the changes are not saved within 5 minutes of the start of parameterization, parameterization is aborted without the changes being accepted: The LED lights up red for 2 s, then it lights up constantly in the color for the originally set operation mode.
- If the power supply is interrupted during parameterization, any unsaved changes are discarded. Previously saved values are retained.

6 Integrated Power Reserve module test (SVP 2000F)

The internal Power Reserve module is tested 5 minutes after the power is turned on and then every 48 hours. If the test completes with an error, the corresponding flashing code appears once according to the error messages (see chapter 9). 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.

7 Pin assignment

7.1 SVP 2000(F)

SVP-A 1100/2100 cable colors		Operation mode		
		DCW	CAN	Stand Alone
PIN 1	bk	GND	GND	GND
PIN 2	rd	-	-	Unlock (1-leaf), pull input to GND via a switch.
PIN 3	wh	+24V DC	+24V DC	+24V DC
PIN 4		-	-	-
PIN 5	bn	-	-	Unlock (2-leaf), pull input to GND via a switch.
PIN 6	vio	Locked, output switches to GND (max. 30 mA)	Locked, output switches to GND (max. 30 mA)	Locked, output switches to GND (max. 30 mA)
PIN 7	rd/bu	-	-	-
PIN 8	bu	-	-	External door contact, pull input to GND via door contact. Door closed = contact closed
PIN 9	gn	B	CANH	-
PIN 10	pk/gy	-	-	-
PIN 11	ye	A	CANL	-
PIN 12		-	-	-

7.2 Smoke detector

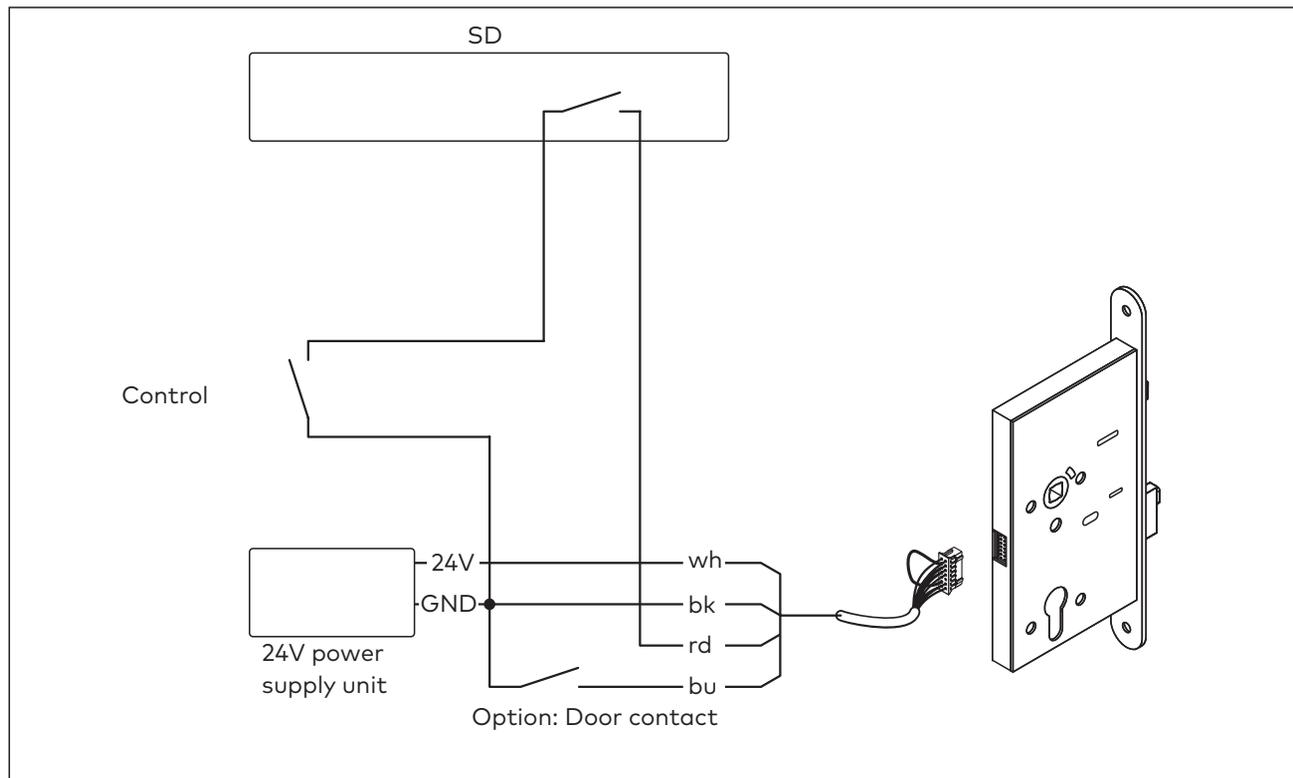


Fig. 31 Wiring of smoke detectors with a SVP 2000/SVP 2000F

8 Complete mounting

1. Measure the distance between forend and striking plate (Fig. 32). If necessary, adjust the door leaf or door frame.
2. Check that all the parts provided have been mounted and that no subsequent modifications have been made or additional locking devices added.
3. Make sure that the locking points are not blocked.
4. Use a force gauge to measure and record the actuating forces required to release the escape door lock. The actuating forces may be max. 70 N for escape doors according to EN 179 and max. 80 N for escape doors according to EN 1125.
5. This manual must be handed over to the facility operator and regular maintenance and recording duties must be observed (see chapter 10).

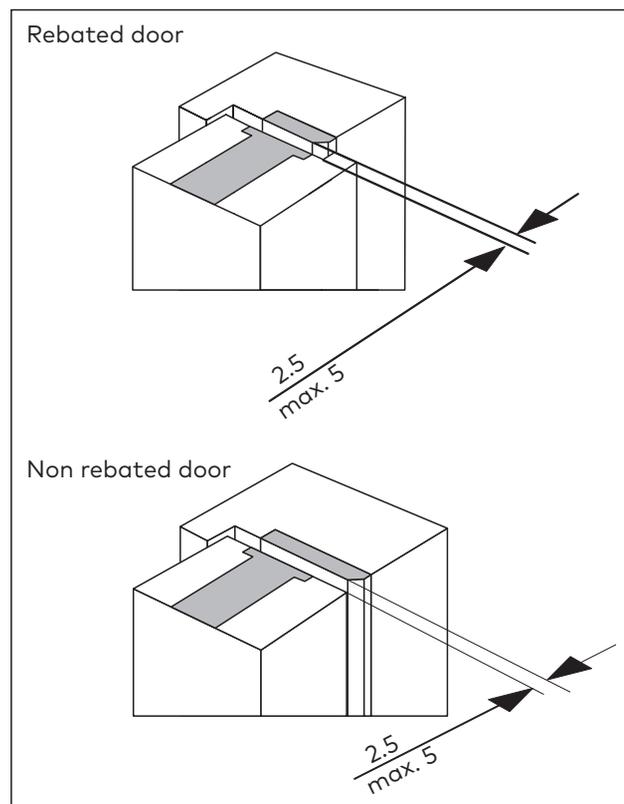


Fig. 32 Check the door gap

9 Error messages

LED display	Cause	Action
	Power supply outside the tolerance range (24 V DC +/- 15 %)	Check power supply unit.
	Power Reserve function test is faulty (SVA 2000F only)	Call dormakaba Service.
	Unlocking/locking not successful	Check whether the bolt is blocked from outside the lock. If not, call the dormakaba Service
	DCW® bus connection interrupted	Check correct wiring.
	CAN bus connection interrupted	Check correct wiring.
	General error	Disconnect and reactivate the power supply for the door. If the error persists, call dormakaba Service.

10 Maintenance

Perform the following maintenance steps **at least once a month** to ensure safe use of the SVP/SVZ door lock (do not lubricate inside the lockcase):

1. Check and operate all parts of the door lock. Ensure that they are fully operational.
2. Ensure all the parts provided have been mounted and that no subsequent modifications have been made or additional locking devices added.
3. Make sure that the locking points are not blocked.
4. Use a force gauge to measure and record the actuating forces required to release the escape door lock. The actuating forces may be max. 70 N for escape doors according to EN 179 and max. 80 N for escape doors according to EN 1125. The actuating forces must not have changed significantly compared to the measurement after the initial installation.
5. Note the date of maintenance, the corrective actions taken and the name of the person performing the work.

11 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.