DORMA

SVP/SVZ

Automatic-action locks

Doors that lock immediately on closure with the deadbolt being automatically thrown – this is the clear advantage offered by DORMA SVP/SVZ emergency escape and access control locks with automatic locking action. At the same time, the clawbolt latch engages to provide the added security of "two-point locking".

The emergency escape function of the SVP locks ensures that the door can be easily unlocked and opened at any time from the inside simply by depressing the lever handle.

CONTENTS

DCW® = **D**ORMA **C**ONNECT AND **W**ORK

F Approval certification

DORMA SVP/SVZ automatic-action locks are approved and subjected to third-party verification by the State Material Testing Authority, Dortmund. A separate approval certificate in conjunction with the relevant fire and smoke check door may be necessary.

DORMA SVP locks have been certified as suitable in conjunction with lever handles and panic bars of various manufacturers in accordance with **EN 179** "Emergency exit devices operated by a lever handle or push pad" and **EN 1125** "Panic exit devices operated by a horizontal bar", and are therefore permitted to carry the CE mark of conformity.

The range encompasses five model series:

SVP 5000 – purely mechanical lock with emergency escape function.

SVP 4000 – electrically monitored microswitch lock featuring integrated anti-tamper detectors for monitoring the latch and deadbolt.

SVP 6000 – electrically monitored solenoid lock with anti-tamper detectors and split follower for electrical activation/ deactivation of the external lever handle.

SVP 2000 – motor lock with sequential control for maximum security with anti-tamper detectors.

SVZ 6000 – access control solenoid lock, as per SVP 6000 but without the emergency escape function.

Benefits

- Automatic locking of doors immediately on closure.
- Insurance company-approved locking action with 20 mm deadbolt projection.
- Two-point locking with deadbolt and engagement of the clawbolt latch.
- Emergency escape function ensures that the door can be opened in the escape direction at any time by merely depressing the lever handle (not applicable in the case of the SVZ version).
- Suitable for timber and metal-framed doors, prepared for both Europrofile and round cylinder inserts.
- Through-bolt holes for backsets > 55 mm.
- Forends 24 mm wide, non-handed.
- Corrosion-protected lock case. Complete with forend and matching strike plate in stainless steel.

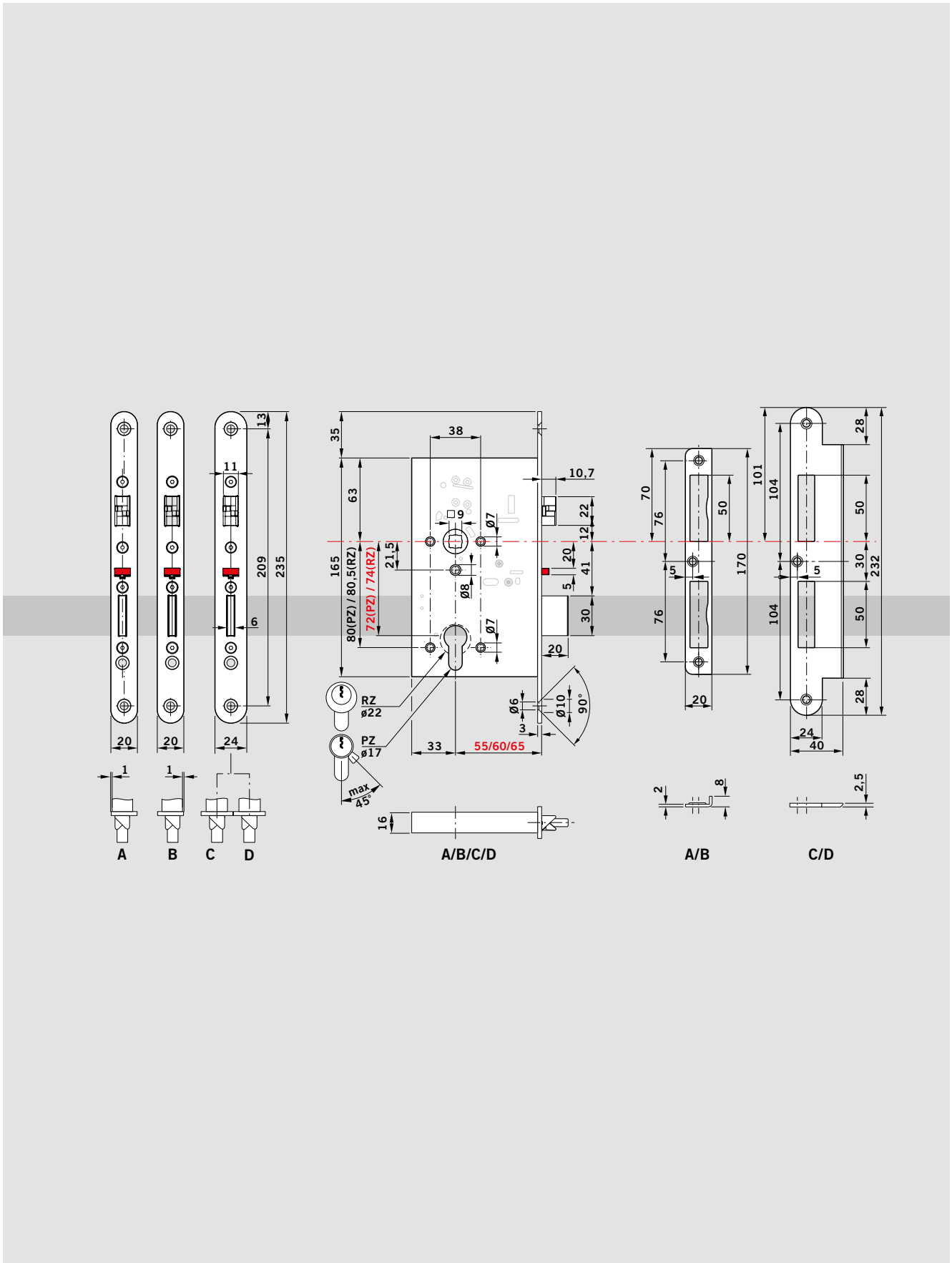
Data and features

	SVP 5xxx	SVP 4xxx	SVP 6xxx	SVP 2xxx	SVZ 6xxx
Emergency escape lock	●	–	–	–	–
Switch-monitored emergency escape lock	–	●	●	–	–
Emergency escape motor lock	–	–	–	●	–
Access control lock	–	–	●	●	●
Emergency escape function	●	●	●	●	–
Automatic mechanical locking	●	●	●	●	●
Mechanical sequential control	●	●	●	●	●
Two-point locking	●	●	●	●	●
Anti-tamper line	–	●	●	●	●
Deadbolt monitoring Operating points: > 90% = locked < 10% = unlocked	–	●	●	●	●
Signalling of lever handle operation/ emergency escape unlocking	–	●	●	●	●
Door-open monitoring via trip latch	–	●	●	●	●
External lever handle electrically activated/deactivated	–	–	●	–	●
Electric motor unlocking	–	–	–	●	–
Adjustable unlocking time	–	–	–	●	–
Permanent external access feature (permanent-open)1)	–	–	●	–	●
Electric disabling of automatic locking action (permanent-open)	–	–	–	●	–
Automatic disabling of the permanent-open function on power failure	–	–	●	○[2)]	●
Electric sequential control (anti-tamper protection)	–	–	–	●	–
Automatic reset of the enable signal following non-effected door opening	–	–	●	●	●

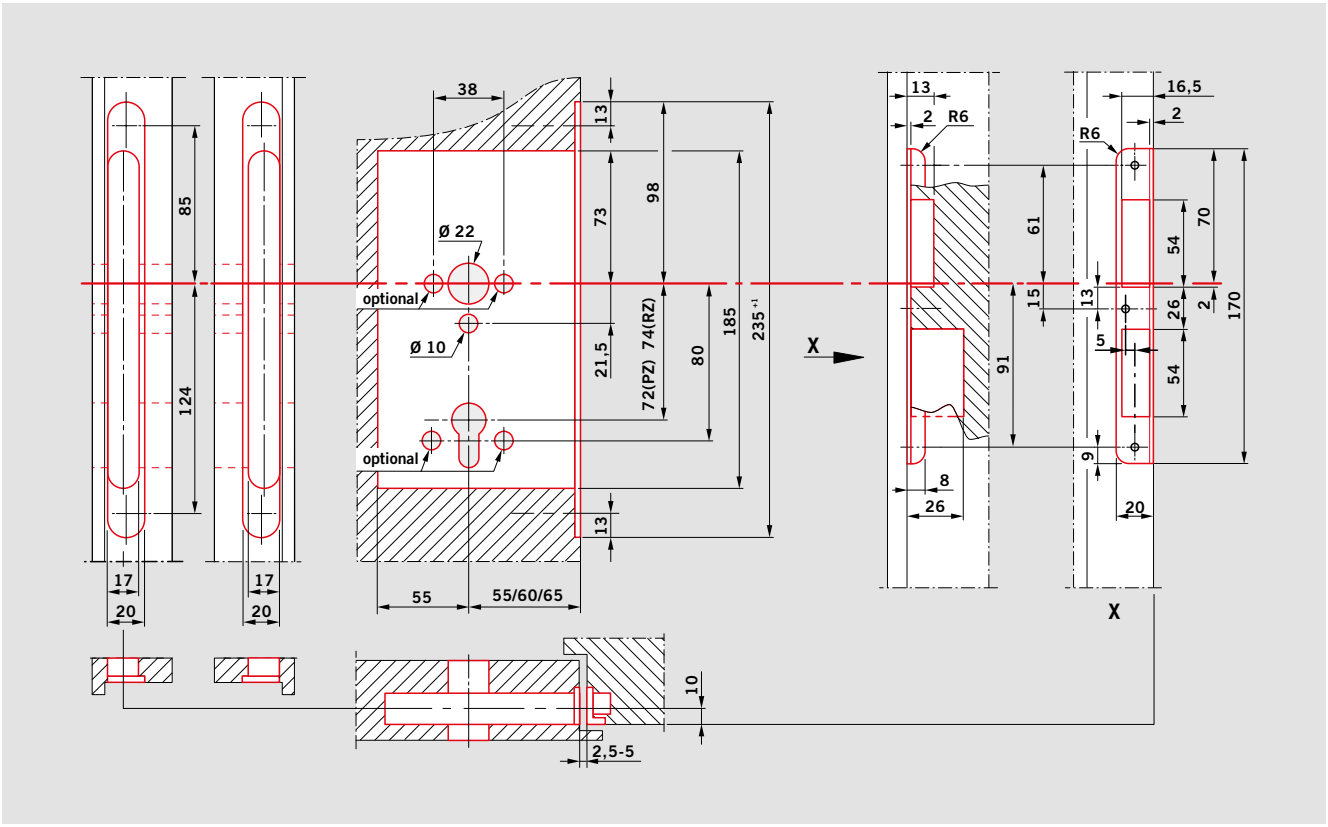
● yes – no ○ option

[1)] Permanent-open function also permissible on fire and smoke check doors as latched condition is guaranteed in the event of a fire.
[2)] In combination with PR module.

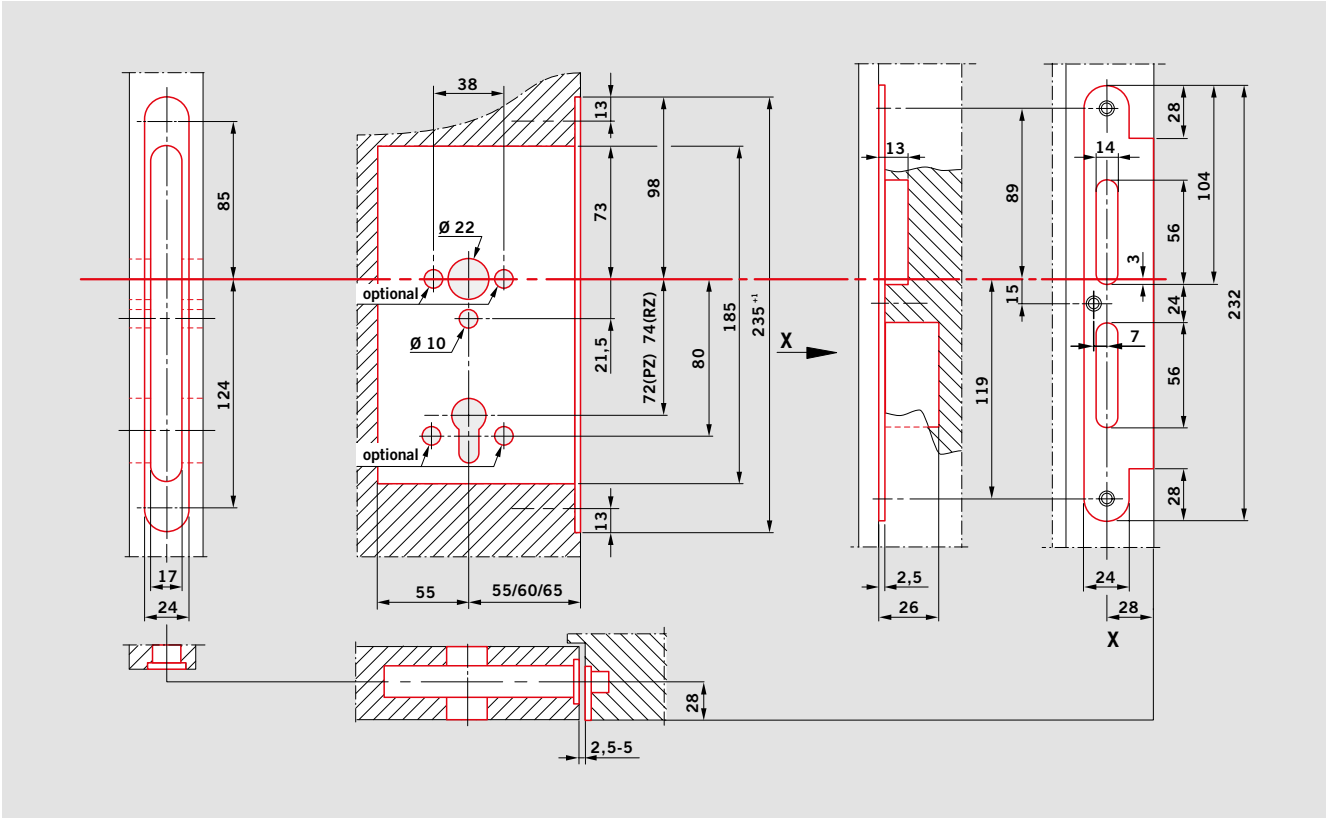
SVP 4000/5000/6000 FOR SOLID DOORS



Series SVP x25x, x26x, x27x, x36x, x37x

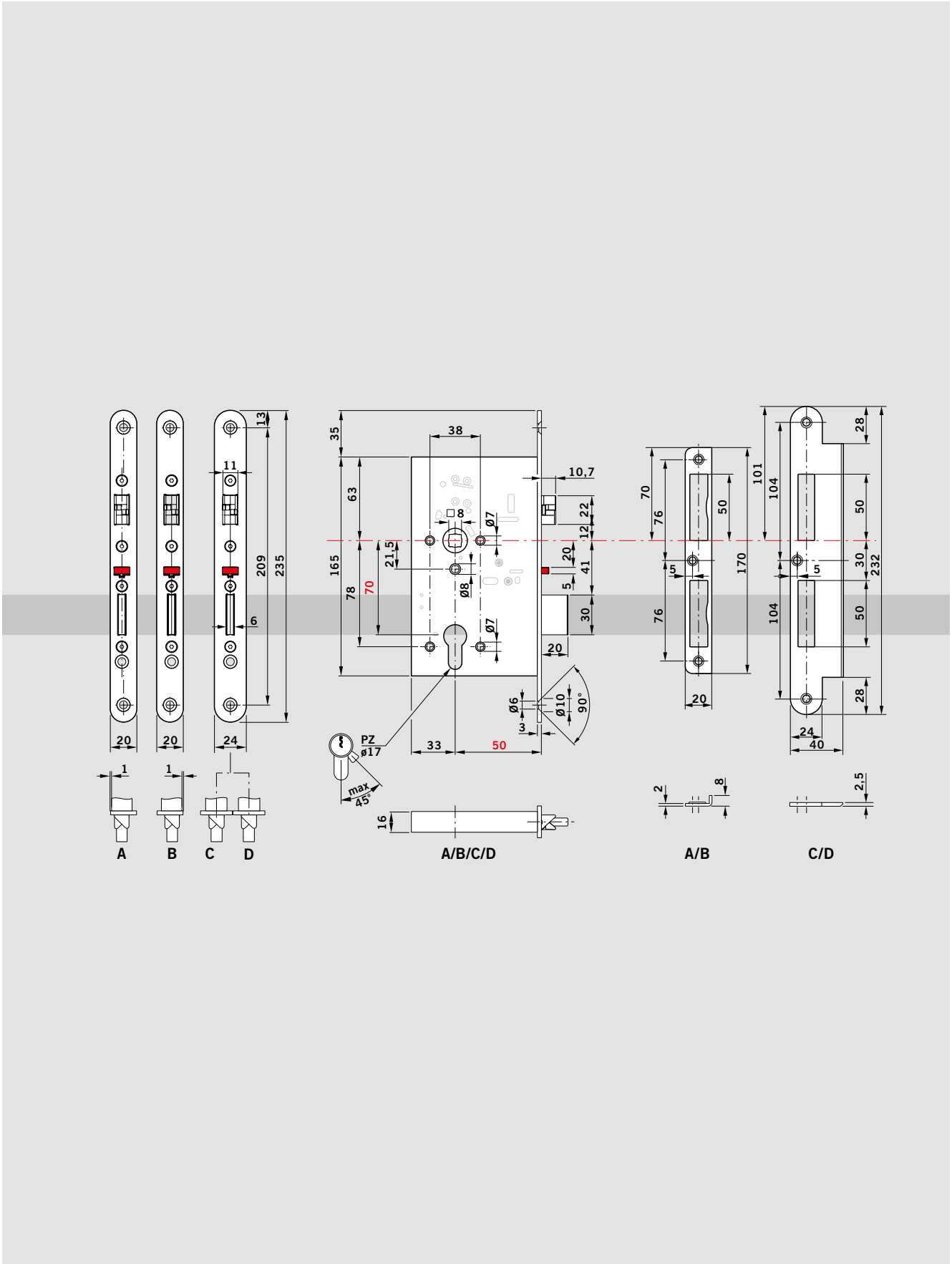


Solid door (over-rebated)

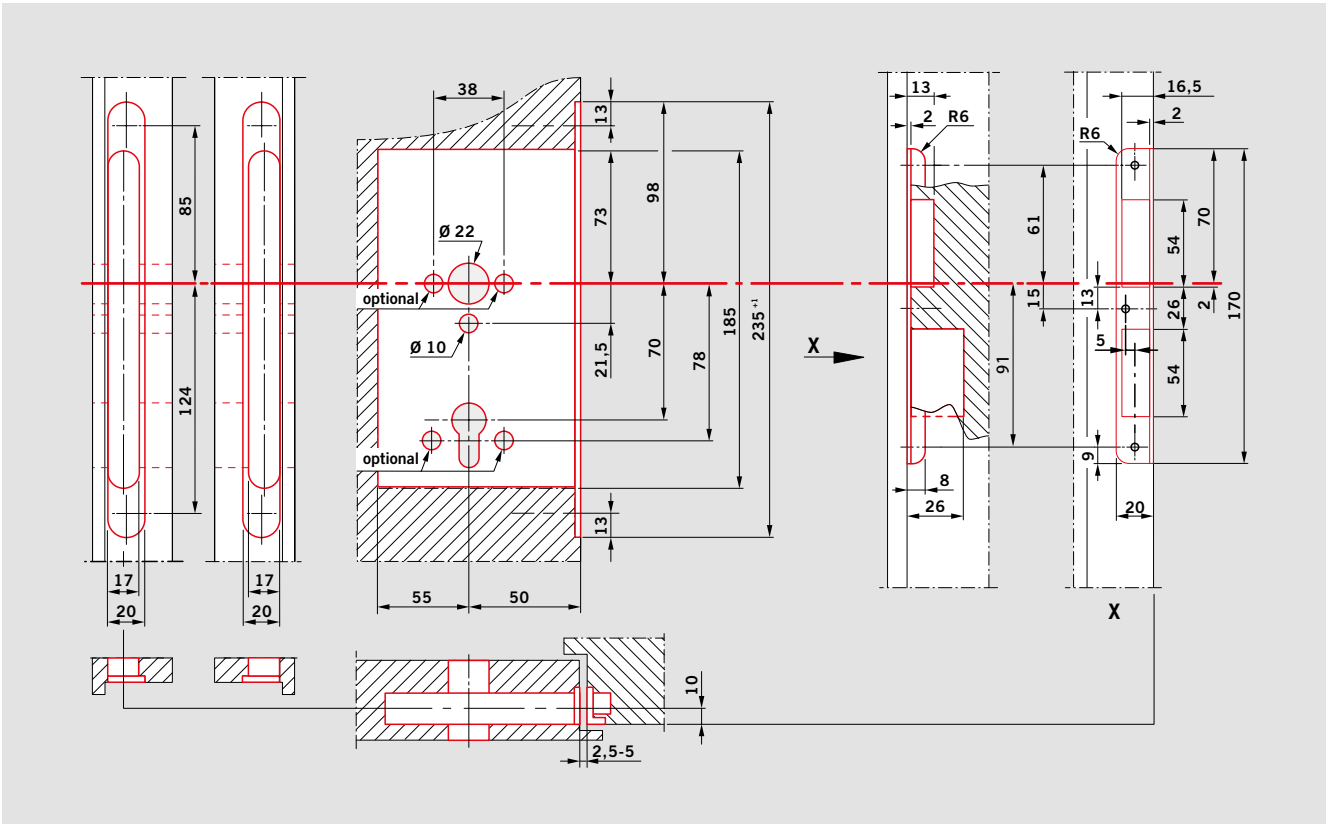


Solid door (flush-closing)

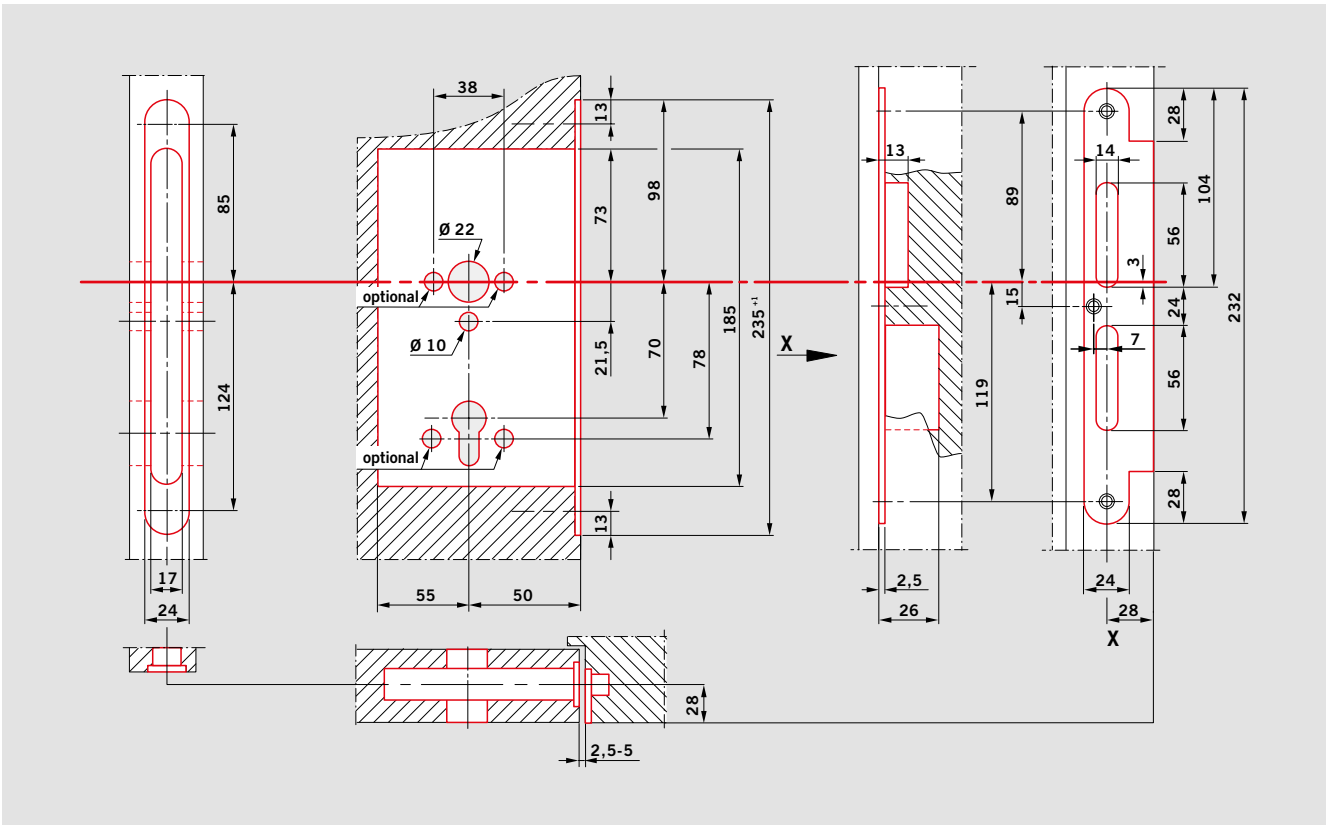
SVP 424X/524X/624X FOR SOLID DOORS



Series SVP x24x

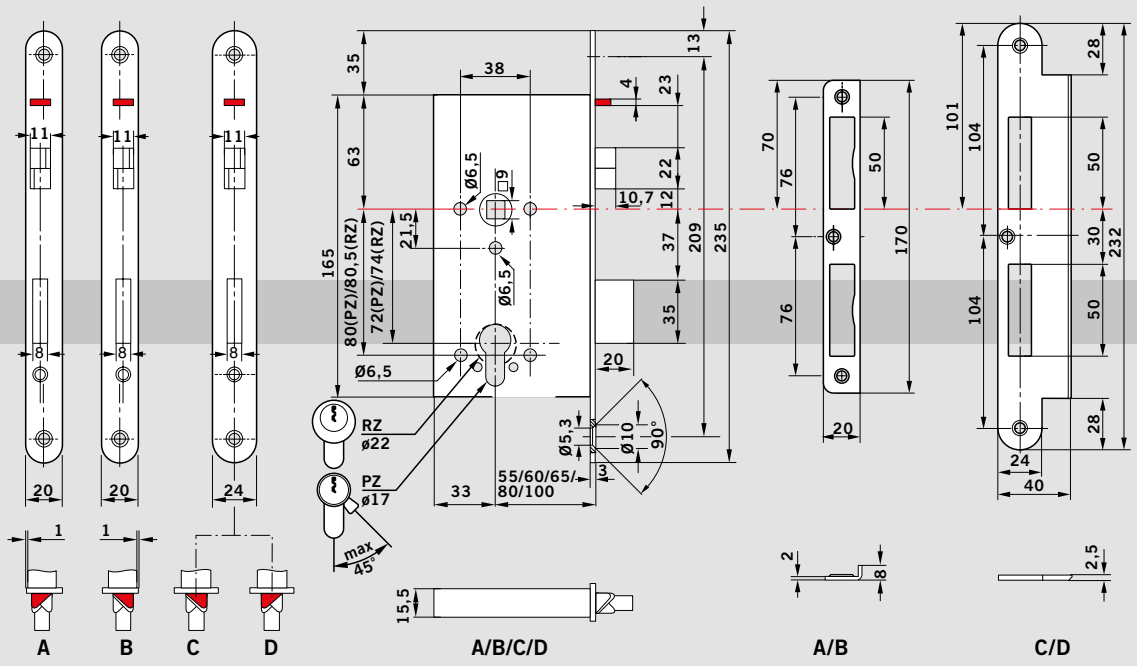


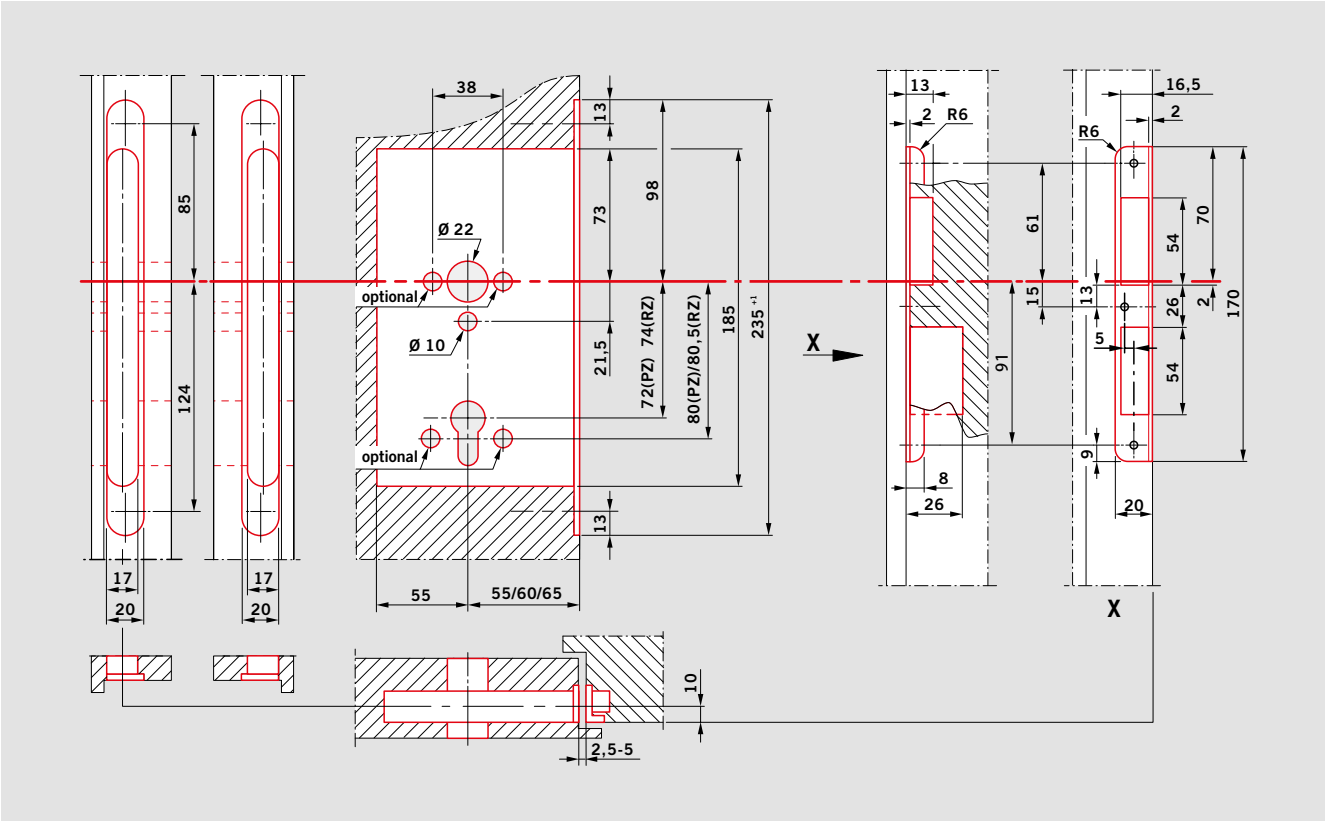
Solid door (over-rebated)



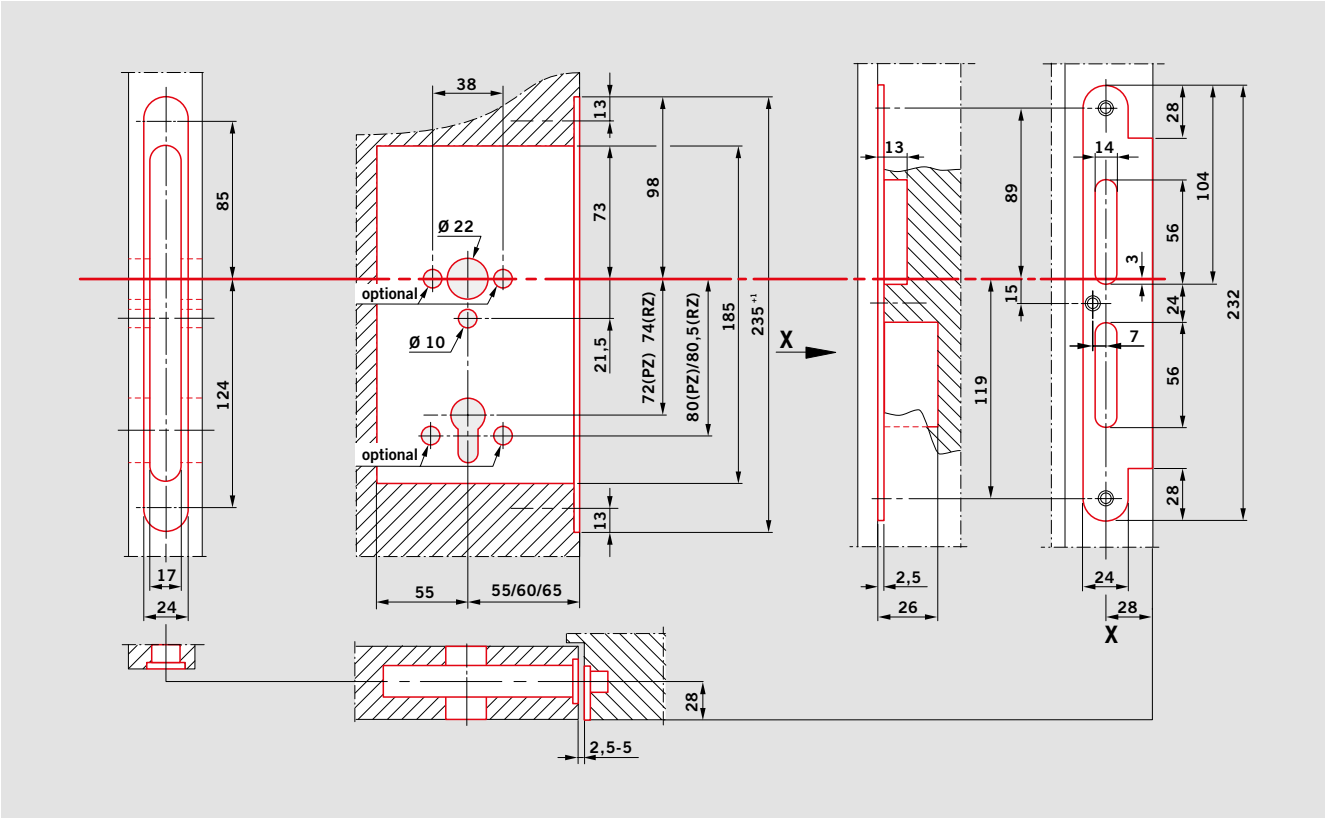
Solid door (flush-closing)

SVP 2000 FOR SOLID DOORS



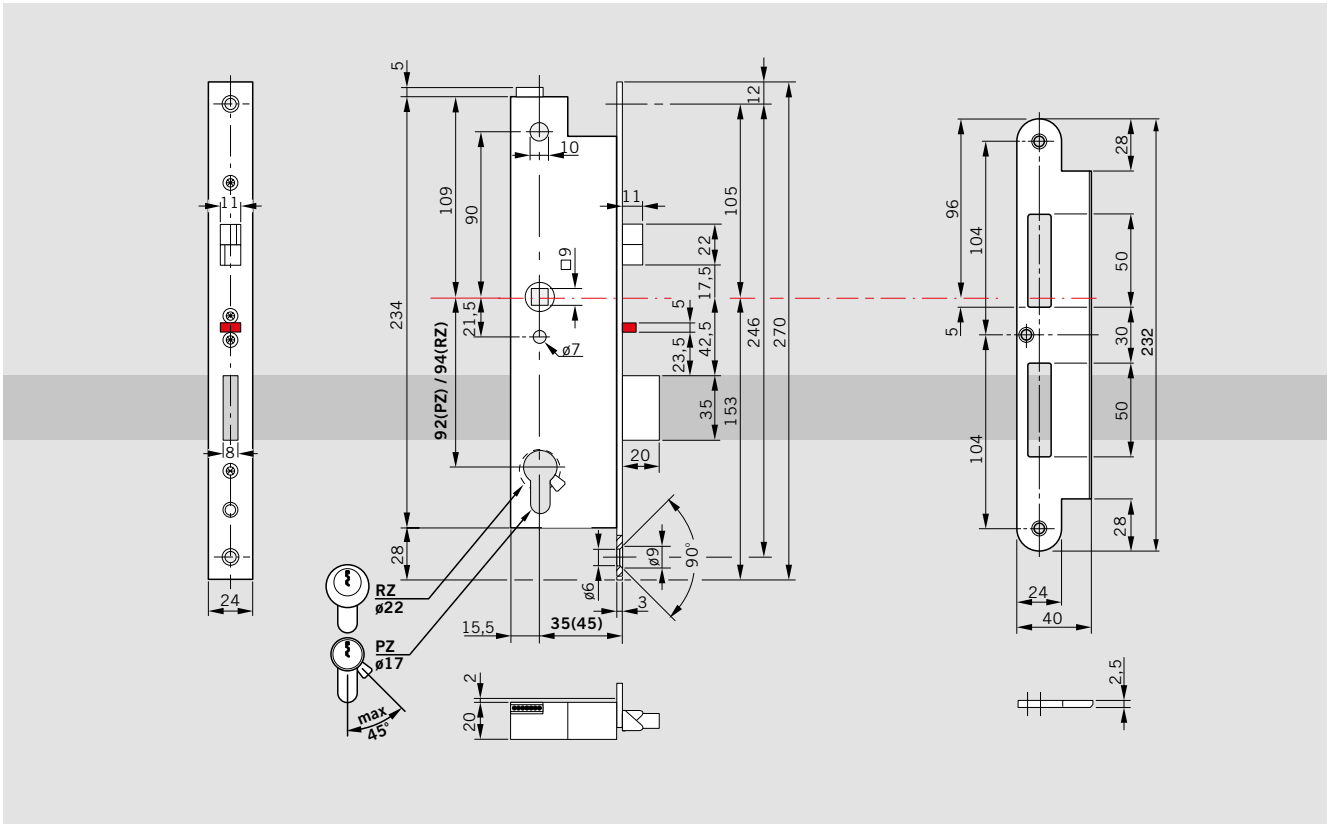


Solid door (over-rebated)

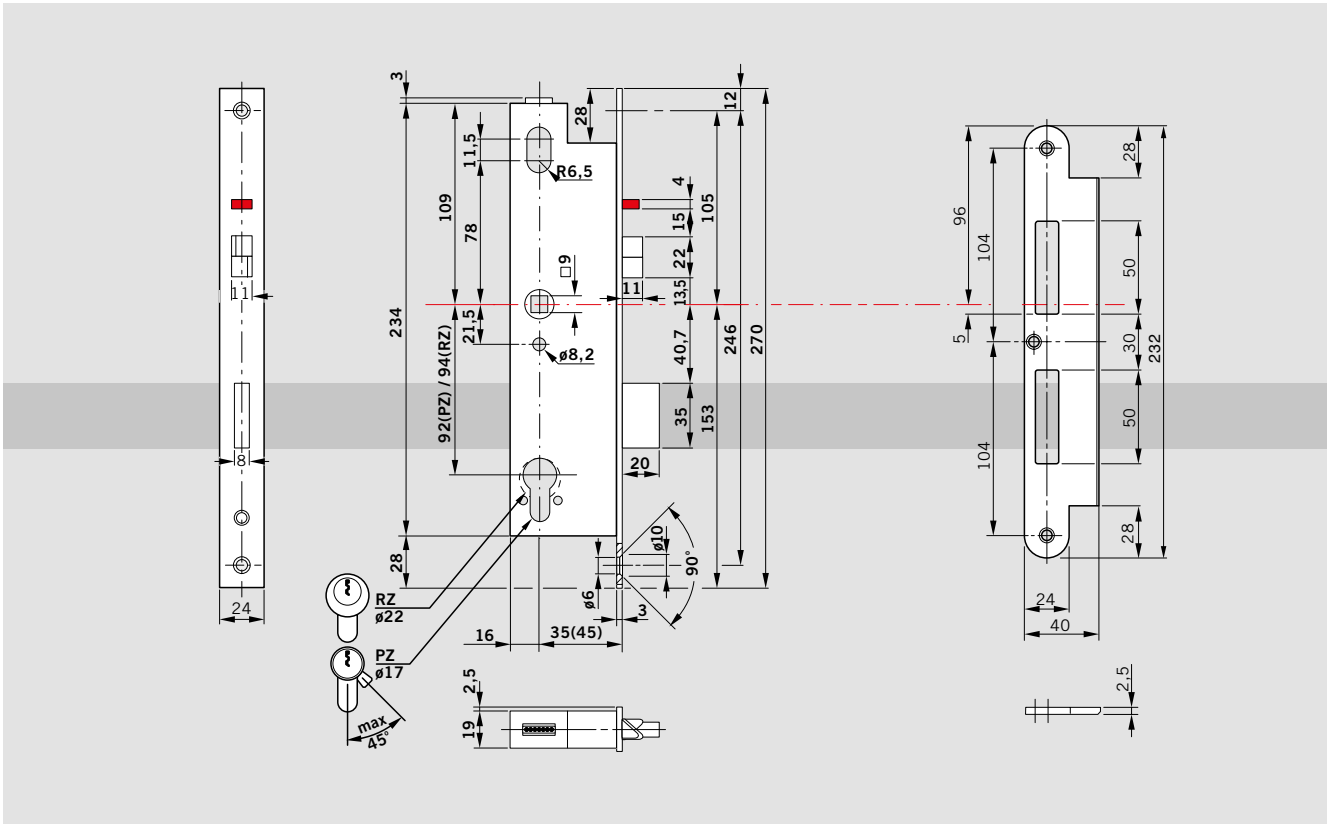


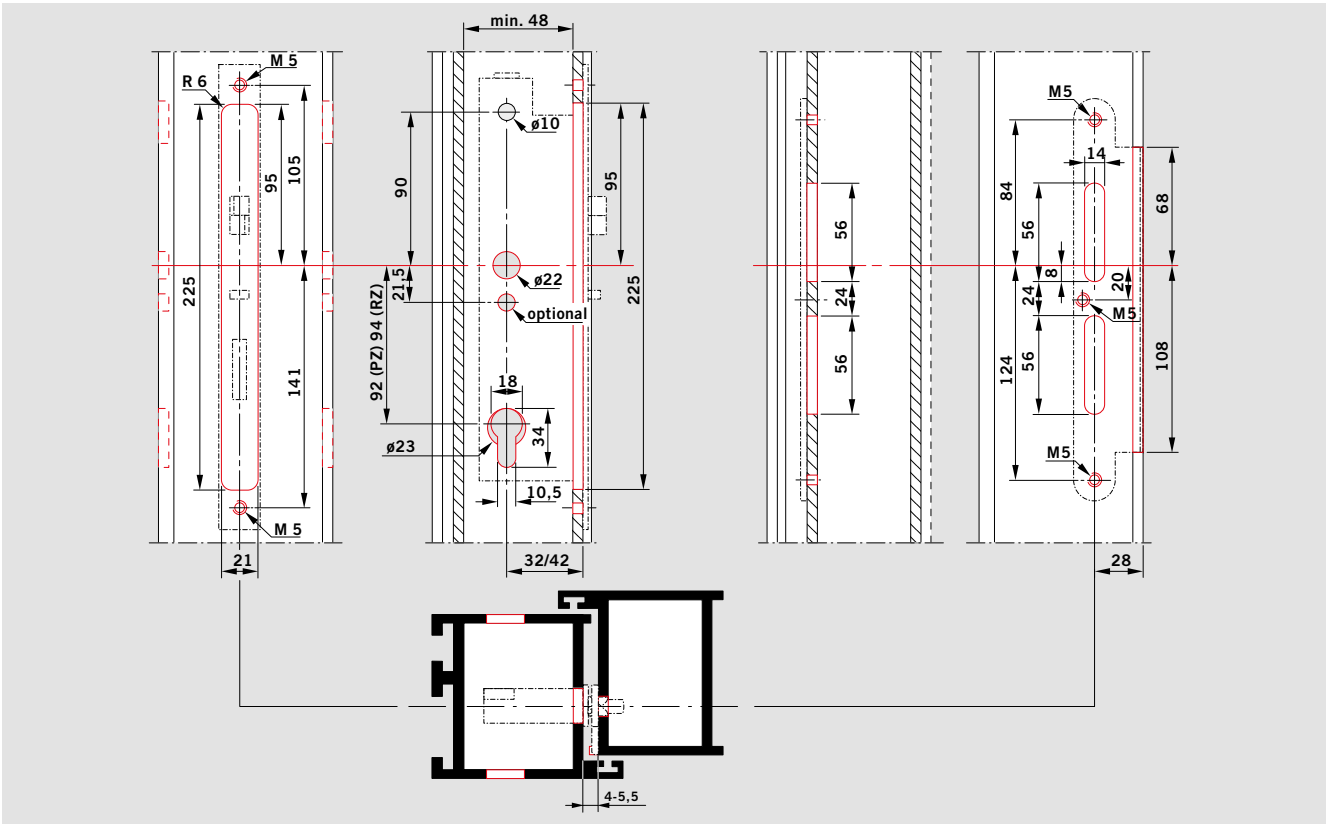
Solid door (flush-closing)

SVP 2000/4000/5000 FOR METAL-FRAMED DOORS



SVP 6000 FOR METAL-FRAMED DOORS




min. 48
M 5
R 6
105
95
225
141
M 5
21
90
ø10
95
225
ø22
optional
21,5
92 (PZ) 94 (RZ)
18
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ø23
10,5
32/42
4-5,5
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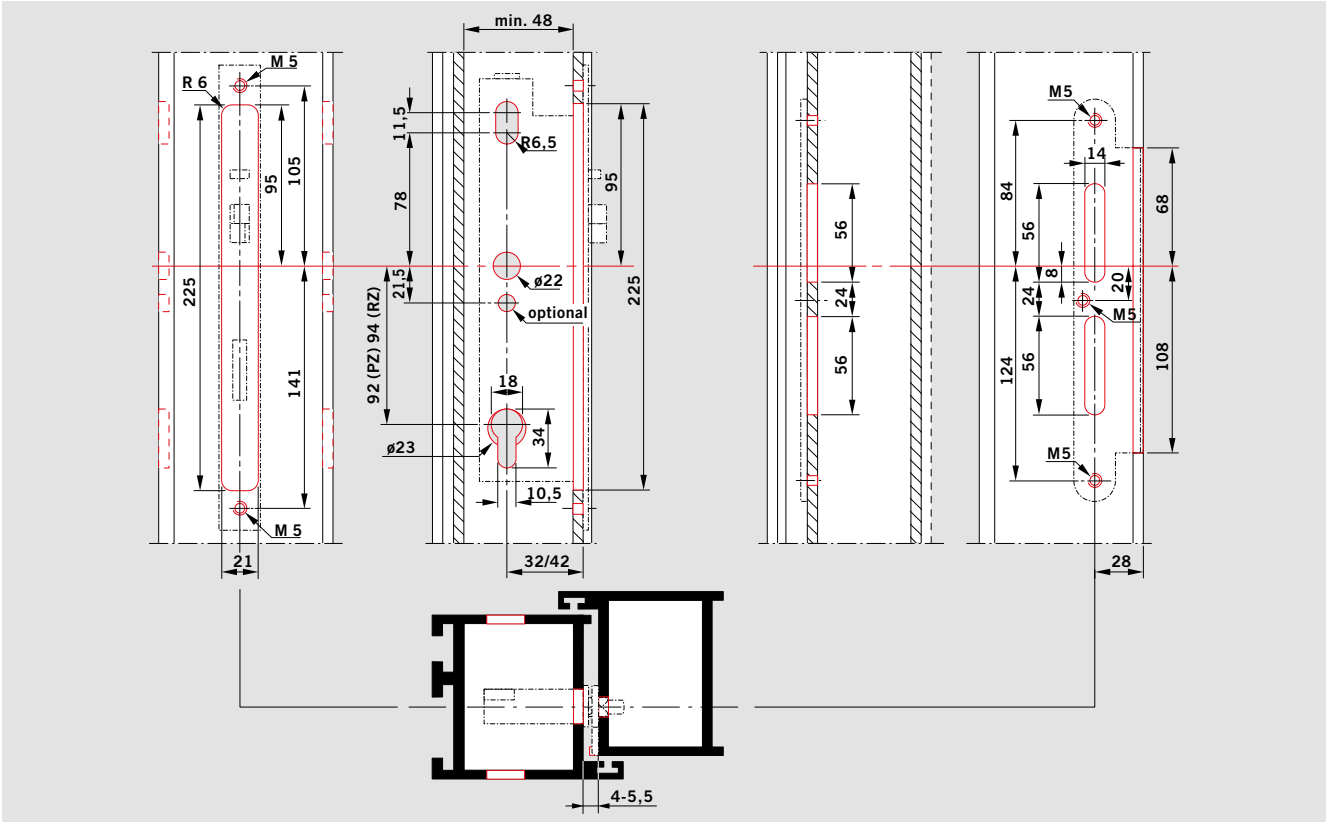
24
56
M5
14
84
56
8
20
24
M5
124
56
M5
68
108
28


min. 48
M 5
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124
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M5
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108
28

SVP 5000 – EMERGENCY ESCAPE LOCK WITH AUTOMATIC LOCKING

SVP 5xxx F

Emergency escape lock with automatic locking action and mechanical sequential control. Two-point locking activated by pre-loaded spring when door closes.
Three-stage deadbolt safeguard mechanism. Universal trip latch (24 mm forend versions non-handed), emergency escape unlocking via lever handle; night latch function with key access from the outside.

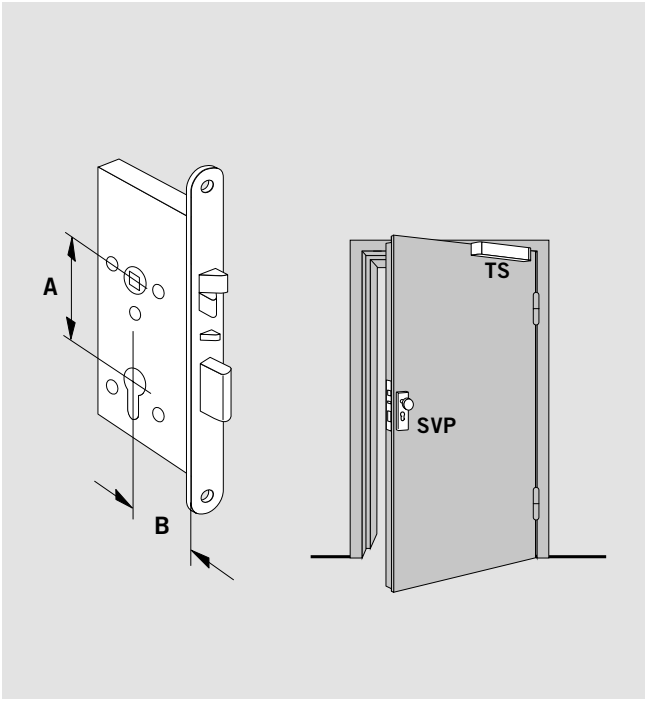
Steel bolt projection 20 mm. 9 mm square-section follower. Corrosion-protected lock case to DIN dimensions; complete with forend and matching strike plate in stainless steel.

Model variations:

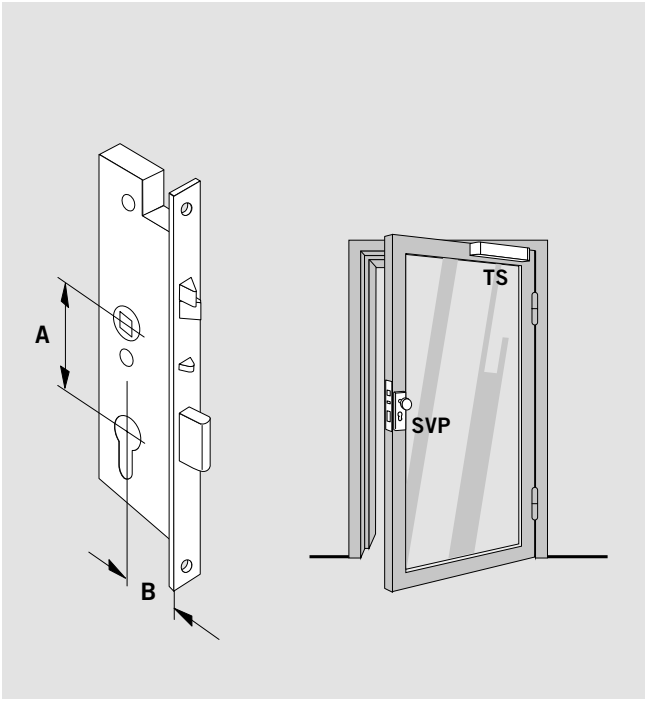
☐ Pierced for Europrofile cylinder
☐ Pierced for round cylinder
Over-rebated door
(forend 235 x 20 mm,
rebated strike plate)
☐ Flush-closing door
(forend 235 x 24 mm,
standard strike plate)
☐ Metal framed door
(forend 270 x 24 mm,
standard strike plate)

Follower-to-keyway centres _____ mm
Backset _____ mm
Handing _____

SVP 52xx / SVP 53xx



SVP 57xx / SVP 58xx



SVP 5000 for solid doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Over-rebated door Forend: 235 x 20	70	50	L	SVP 5241	70524100
				R	SVP 5242	70524200
		72	55	L	SVP 5251	70525100
				R	SVP 5252	70525200
			60	L	SVP 5261	70526100
				R	SVP 5262	70526200
			65	L	SVP 5271	70527100
				R	SVP 5272	70527200
	Flush-closing door Forend: 235 x 24	70	50	L/R	SVP 5247/5248	70524700
		72	55	L/R	SVP 5257/5258	70525700
			60	L/R	SVP 5267/5268	70526700
			65	L/R	SVP 5277/5278	70527700
RZ	Over-rebated door Forend: 235 x 20	74	60	L	SVP 5361	70536100
				R	SVP 5362	70536200
			65	L	SVP 5371	70537100
				R	SVP 5372	70537200
	Flush-closing door Forend: 235 x 24		60	L/R	SVP 5367/5368	70536700
			65	L/R	SVP 5377/5378	70537700

SVP 5000 for metal-framed doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Metal-framed door Forend: 270 x 24	92	35	L/R	SVP 5719	15571920
			45	L/R	SVP 5739	15573920
RZ		94	35	L/R	SVP 5819	15581920
			45	L/R	SVP 5839	15583920

All dimensions in mm

PZ Europrofile cylinder

RZ Round cylinder

L DIN-L/LH/ISO 6

R DIN-R/RH/ISO 5

SVP 4000 – SWITCH-MONITORED EMERGENCY ESCAPE LOCK WITH AUTOMATIC LOCKING ACTION

SVP 4xxx F

Electrically monitored emergency escape lock with automatic locking action, with mechanical sequential control.
With microswitches for detection of “locked” (> 90%), “unlocked” (< 10% of deadbolt travel), “door open/closed” via trip latch, and “lever handle operation/emergency unlocking” functions.
Contact rating: 12 V DC, 125 mA, 1.5 W.
Two-point locking activated by pre-loaded spring when door closes.

Three-stage deadbolt safeguard mechanism.
Universal trip latch (24 mm forend version non-handed).
Emergency unlocking by lever handle; night latch function with key access from the outside.
Steel bolt projection 20 mm.
9 mm square-section follower.
Corrosion-protected lock case of DIN dimensions, complete with forend and matching strike plate in stainless steel.

Model variations:

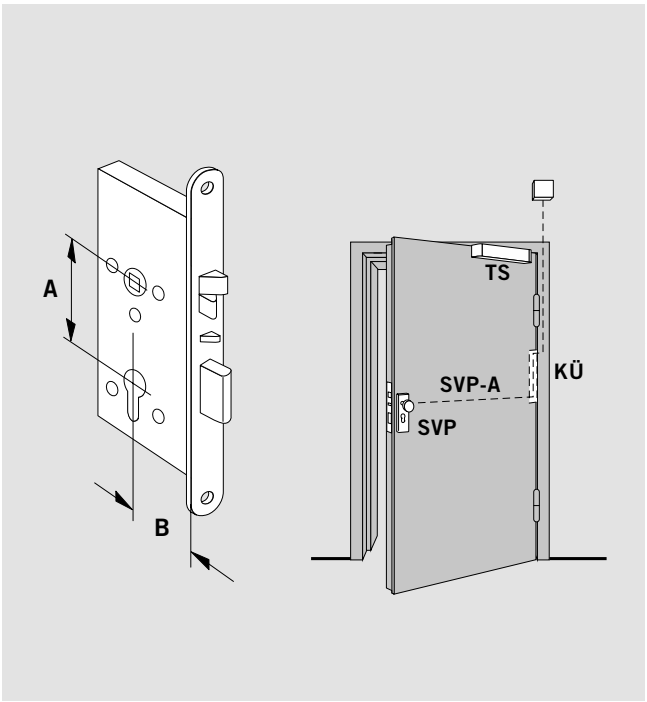
- ☐ Pierced for Europrofile cylinder
- ☐ Pierced for round cylinder
  Over-rebated door
  (forend 235 x 20 mm, rebated strike plate)
- ☐ Flush-closing door
  (forend 235 x 24 mm, standard strike plate)
- ☐ Metal-framed door
  (forend 270 x 24 mm, standard strike plate)

Follower-to-keyway centres _____ mm
Backset _____ mm
Handing _____

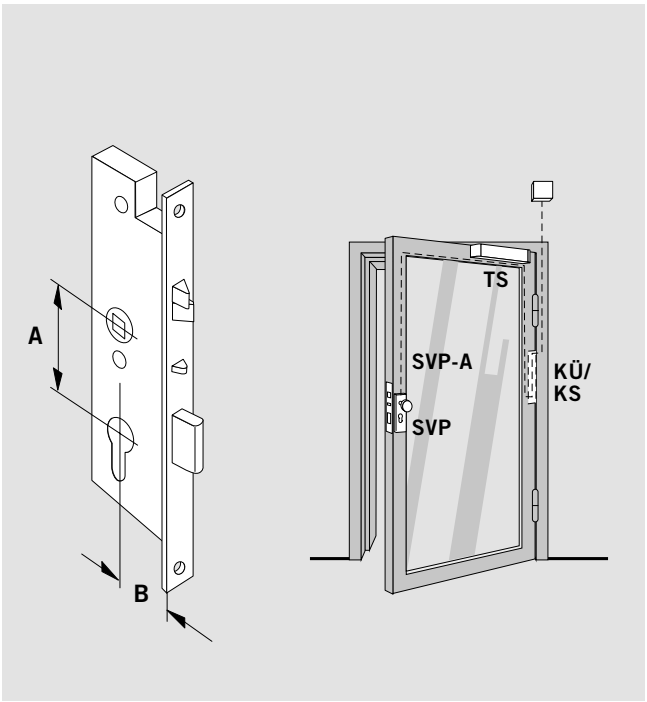
Requisite accessories (to order):

- ☐ DORMA SVP-A connecting cable
- ☐ DORMA KÜ/KS cable loop

SVP 42xx / SVP 43xx



SVP 47xx / SVP 48xx



SVP 4000 for solid doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Over-rebated door Forend: 235 x 20	70	50	L	SVP 4241	70424100
				R	SVP 4242	70424200
		72	55	L	SVP 4251	70425100
				R	SVP 4252	70425200
			60	L	SVP 4261	70426100
				R	SVP 4262	70426200
			65	L	SVP 4271	70427100
				R	SVP 4272	70427200
	Flush-closing door Forend: 235 x 24	70	50	L/R	SVP 4247/4248	70424700
		72	55	L/R	SVP 4257/4258	70425700
			60	L/R	SVP 4267/4268	70426700
			65	L/R	SVP 4277/4278	70427700
RZ	Over-rebated door Forend: 235 x 20	74	60	L	SVP 4361	70436100
				R	SVP 4362	70436200
			65	L	SVP 4371	70437100
				R	SVP 4372	70437200
	Flush-closing door Forend: 235 x 24		60	L/R	SVP 4367/4368	70436700
			65	L/R	SVP 4377/4378	70437700

SVP 4000 for metal-framed doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Metal-framed door Forend: 270 x 24	92	35	L/R	SVP 4719	15471920
			45	L/R	SVP 4739	15473920
RZ		94	35	L/R	SVP 4819	15481920
			45	L/R	SVP 4839	15483920

All dimensions in mm
PZ Europrofile cylinder
RZ Round cylinder
L DIN-L/LH/ISO 6
R DIN-R/RH/ISO 5

Wiring

SVP-A Wire colours			SVP 4xxx for metal framed doors Function	SVP 4xxx for solid doors Function
sw	=	black	not used	GND for ESD (electrostatic discharge) protection
br	=	brown	“Trip latch engaged”, NC	“Trip latch engaged”, NC
rs/gr	=	pink/grey	“SVP unlocked”, NO	“SVP/SVZ unlocked”, NO
rt	=	red	not used	not used
ws	=	white	not used	not used
ge	=	yellow	“SVP unlocked” and “Trip latch engaged”, C	“SVP/SVZ unlocked” and “Trip latch engaged” and cylinder contact, C
gn	=	green	not used	not used
gr	=	grey	Anti-tamper line	Anti-tamper line
rs	=	pink	Anti-tamper line	Anti-tamper line
rt/bl	=	red/blue	“SVP locked”, NC	“SVP/SVZ locked”, NC
bl	=	blue	“Lever handle operated”, NO	“Lever handle operated”, NO
vi	=	violet	“SVP locked” and “Lever handle operated”, C	“SVP/SVZ locked” and “Lever handle operated”, C

SVP 6000 – SWITCH-MONITORED SOLENOID EMERGENCY ESCAPE LOCK WITH AUTOMATIC LOCKING ACTION

SVP 6xxx F

Emergency escape solenoid lock with automatic locking action, electrically monitored, with split follower, electrically activated external lever handle of fail-secure or fail-safe design, and mechanical sequential control. With microswitches for detection of “locked” (> 90%), “unlocked” (< 10% of deadbolt travel), “door open/closed” via trip latch, and “lever handle operation/emergency unlocking” functions.
In the de-energised condition, the external lever handle is either disengaged (fail-secure) or engaged (fail-safe). Actuation (either de-energisation or energisation, depending on whether fail-secure or fail-safe) of the solenoid in the lock – e.g. by an access control system – engages the external lever handle and thus enables the lock to be operated. The lever handle in the escape direction is always engaged. Activation for engaging the external lever handle is effected via a GND contact and a floating (no-volt) NO/fail-secure or NC/fail-safe contact. Permanent open (permanent engagement of the external lever handle, e.g. for daytime operation) is possible.
Power supply data:
12 V DC or 24 V DC, stabilised
Current consumption max.:
0.4 or 0.2 A
Contact rating:
max. 30 V DC, 1.5 W.

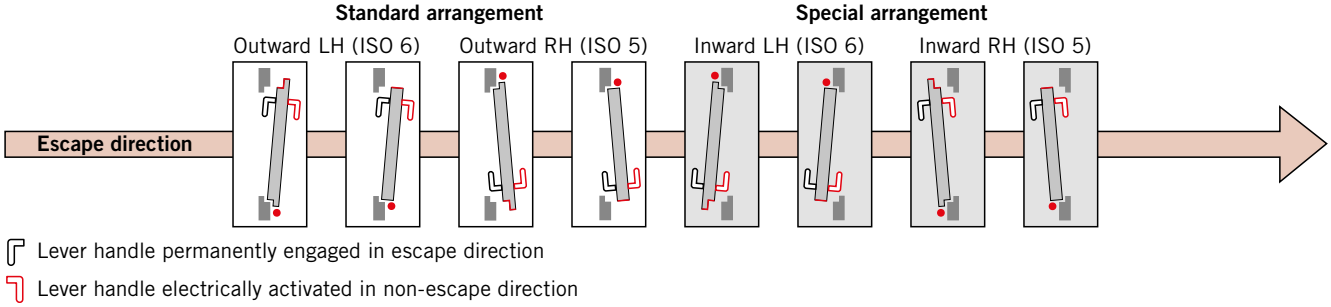
Two-point locking activated by pre-loaded spring when door closes. Three-stage deadbolt safeguard mechanism.
Universal trip latch (24 mm forend type, non-handed).
Unlocking
from the outside via key or enabled external lever handle.
Steel bolt projection 20 mm. 9 mm split follower. Corrosion-protected steel lock case in DIN dimensions, complete with forend and matching strike plate in stainless steel.

Model variations:
- ☐ Pierced for Europrofile cylinder
- ☐ Pierced for round cylinder
- ☐ Over-rebated door (forend 235 x 20 mm, rebated strike plate)
- ☐ Flush-closing door (forend 235 x 24 mm, standard strike plate)
- ☐ Metal-framed door (forend 270 x 24 mm, standard strike plate)

Follower-to-keyway centres _____ mm
Backset _____ mm
Opening direction _____
handing _____

- ☐ Fail-safe
  - ☐ 12 V ☐ 24 V
- ☐ Fail-secure
  - ☐ 12 V ☐ 24 V

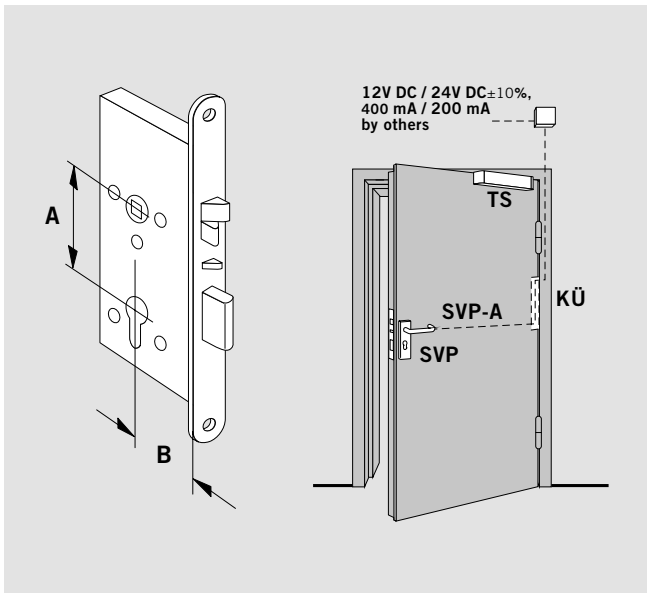
Requisite accessories (to order):
- ☐ DORMA SVP-A connecting cable
- ☐ DORMA KÜ/KS cable loop



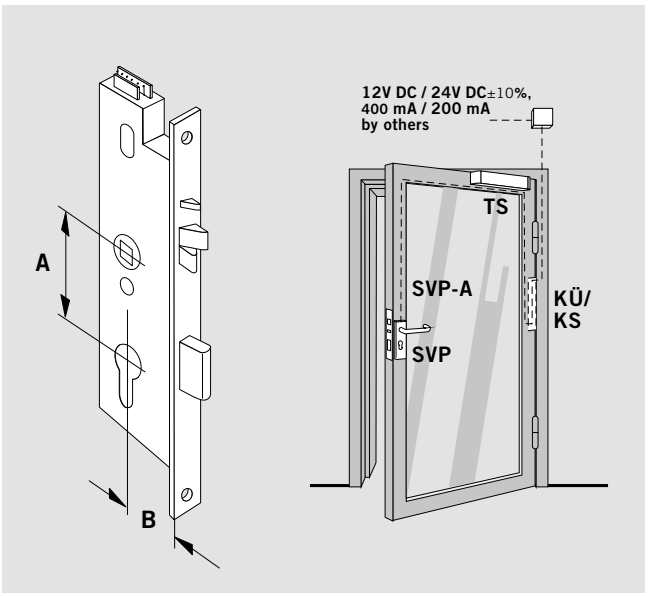
Lever handle permanently engaged in escape direction

Lever handle electrically activated in non-escape direction

SVP 62xx / SVP 63xx



SVP 67xx / SVP 68xx



SVP 6000 for solid doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Typ	Bestell Nr.
PZ	Over-rebated door Forend: 235 x 20	70	50	outward	L	SVP6241	70624100
					R	SVP6242	70624200
				inward	L	SVP6243	70624300
					R	SVP6244	70624400
		72	55	outward	L	SVP6251	70625100
					R	SVP6252	70625200
				inward	L	SVP6253	70625300
					R	SVP6254	70625400
			60	outward	L	SVP6261	70626100
					R	SVP6262	70626200
				inward	L	SVP6263	70626300
					R	SVP6264	70626400
			65	outward	L	SVP6271	70627100
					R	SVP6272	70627200
				inward	L	SVP6273	70627300
					R	SVP6274	70627400
	Flush-closing door Forend: 235 x 24	70	50	outward/inward	L/R	SVP6247	70624700
				inward/outward	L/R	SVP6248	70624800
		72	55	outward/inward	L/R	SVP6257	70625700
				inward/outward	L/R	SVP6258	70625800
			60	outward/inward	L/R	SVP6267	70626700
				inward/outward	L/R	SVP6268	70626800
			65	outward/inward	L/R	SVP6277	70627700
				inward/outward	L/R	SVP6278	70627800
RZ	Over-rebated door Forend: 235 x 20	74	60	outward	L	SVP6361	70636100
					R	SVP6362	70636200
				inward	L	SVP6363	70636300
					R	SVP6364	70636400
			65	outward	L	SVP6371	70637100
					R	SVP6372	70637200
				inward	L	SVP6373	70637300
					R	SVP6374	70637400
	Flush-closing door Forend: 235 x 24		60	outward/inward	L/R	SVP6367	70636700
				inward/outward	L/R	SVP6368	70636800
			65	outward/inward	L/R	SVP6377	70637700
				inward/outward	L/R	SVP6378	70637800

All variants are for 12V / 24V fail secure / fail safe

SVP 6000 for metal-framed door

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Typ	Bestell Nr.
PZ	Metal-framed door Forend: 270 x 24	92	35	inward	L	SVP6710	156710xx
				outward	R	SVP6710	
				inward	R	SVP6719	156719xx
				outward	L	SVP6719	
			45	inward	L	SVP6730	156730xx
				outward	R	SVP6730	
				inward	R	SVP6739	156739xx
				outward	L	SVP6739	
RZ		94	35	inward	L	SVP6810	156810xx
				outward	R	SVP6810	
				inward	R	SVP6819	156819xx
				outward	L	SVP6819	
			45	inward	L	SVP6830	156830xx
				outward	R	SVP6830	
				inward	R	SVP6939	156839xx
				outward	L	SVP6939	

Note:
For the model with the 24 mm forend, the locks for LH/ISO 6 inward/RH (ISO 5) outward are identical, as are the locks for RH (ISO 5) inward/LH (ISO 6) outward.
Wiring SVP-A with SVP 6xxx see page 19

All dimensions in mm
PZ Europrofile cylinder
RZ Round cylinder
L DIN-L/LH/ISO 6
R DIN-R/RH/ISO 5

xx

10 = Fail-secure model	12 V DC
11 = Fail-secure model	24 V DC
60 = Fail-safe model	12 V DC
61 = Fail-safe model	24 V DC

SVZ 6000 – ACCESS CONTROL SOLENOID LOCK

SVZ 6xxx F

Access control solenoid lock with automatic locking action, electrically monitored, with single-piece follower, electrically activated external lever handle of fail-secure or fail-safe design, and mechanical sequential control.
With microswitches for detection of “locked” (< 90%), “unlocked” (> 10% of deadbolt travel), “door open/closed” via trip latch, and “lever handle operation”.
In the de-energised condition, the external lever handles are either disengaged (fail-secure) or engaged (fail-safe).
Actuation of the solenoid in the lock (e.g. by an access control system) causes the lever handles to be engaged or disengaged depending on the mode. Activation of the lever handles is performed via a GND contact either by a floating (no-volt) NO contact (fail-secure) or NC contact (fail-safe).
Permanent open (permanent engagement of the lever handles, e.g. for daytime operation) is possible.
Power supply data: 12 V DC or 24 V DC, stabilised
Current consumption: max. 0.4 A or 0.2 A
Contact rating: max. 30 V DC, 1.5 W
Two-point locking activated by pre-loaded spring when door closes. Three-stage deadbolt safeguard mechanism.

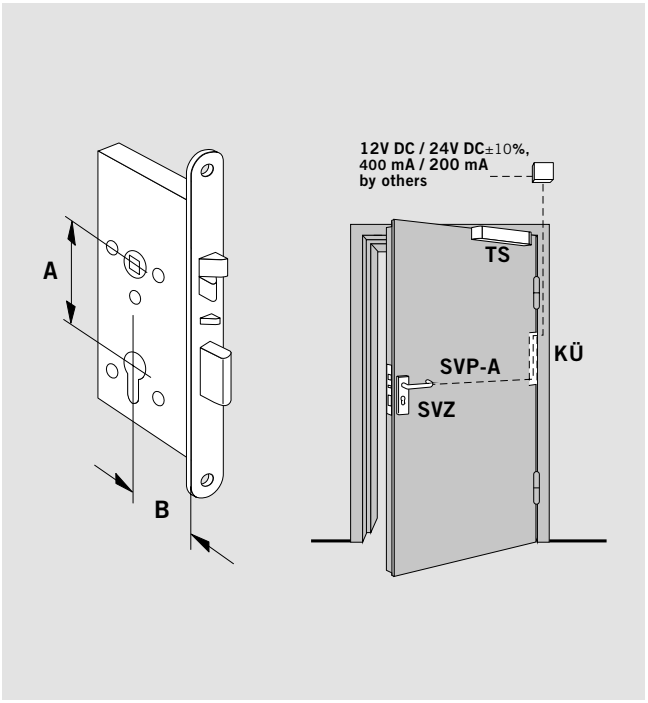
Universal trip latch (24 mm forend types, non-handed).
Unlocking from the outside via key or enabled lever handle.
Steel bolt projection 20 mm.
9 mm single-piece square follower.
Corrosion-protected steel lock case in DIN dimensions, complete with forend and matching strike plate in stainless steel included in scope of supply.

Model variations:
☐ Pierced for Europrofile cylinder
☐ Pierced for round cylinder
Over-rebated door (forend 235 x 20 mm, rebated strike plate)
☐ Flush-closing door (forend 235 x 24 mm, standard strike plate)
☐ Metal-framed door (forend 270 x 24 mm, standard strike plate)
☐ Profilrahmentür (Stulp 270 x 24, Lappenschließblech)
Follower-to-keyway centres _____ mm
Backset _____ mm
Opening direction _____
handing _____

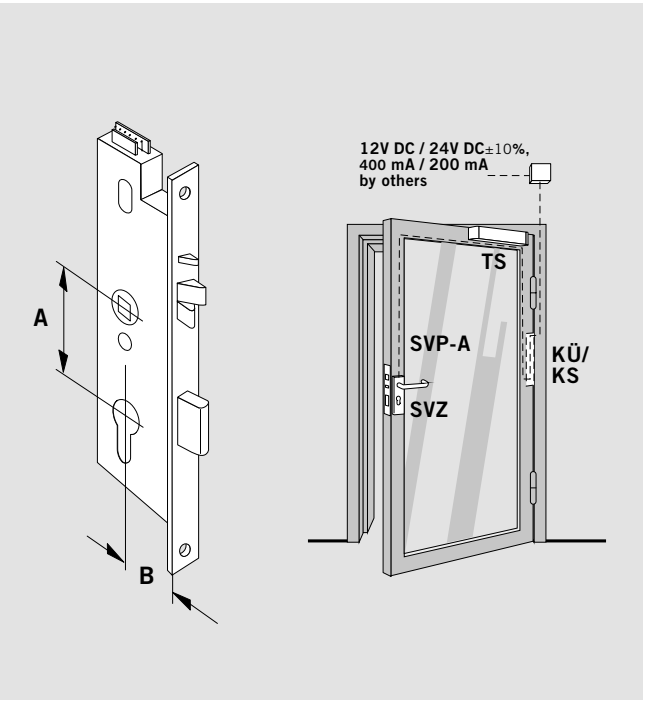
☐ Fail-safe
☐ 12 V ☐ 24 V
☐ Fail-secure
☐ 12 V ☐ 24 V

Requisite accessories (to order):
☐ DORMA SVP-A connecting cable
☐ DORMA KÜ/KS cable loop

SVZ 62xx / SVZ 63xx



SVZ 67xx / SVZ 68xx



SVZ 6000 for solid doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Over-rebated door Forend: 235 x 20	70	50	L	SVZ6241	70624110
				R	SVZ6242	70624210
		72	55	L	SVZ6251	70625110
				R	SVZ6252	70625210
			60	L	SVZ6261	70626110
				R	SVZ6262	70626210
			65	L	SVZ6271	70627110
				R	SVZ6272	70627210
	Flush-closing door Forend: 235 x 24	70	50	L/R	SVZ6247/6248	70624810
		72	55	L/R	SVZ6257/6258	70625810
			60	L/R	SVZ6267/6268	70626810
			65	L/R	SVZ6277/6278	70627810
RZ	Over-rebated door Forend: 235 x 20	74	60	L	SVZ6361	70636110
				R	SVZ6362	70636210
			65	L	SVZ6371	70637110
				R	SVZ6372	70637210
	Flush-closing door Forend: 235 x 24		60	L/R	SVZ6367/6368	70636810
			65	L/R	SVZ6377/6378	70637810

All variants for 12V / 24V / fail secure / fail safe

SVZ 6000 for metal-framed doors

Zylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Metal-framed door Forend: 270 x 24	94	35	L/R	SVZ6719	156719xx
			45	L/R	SVZ6739	156739xx
RZ		94	35	L/R	SVZ6819	156819xx
			45	L/R	SVZ6839	156839xx

All dimensions in mm

PZ Europrofile cylinder
RZ Round cylinder
L DIN-L/LH/ISO 6
R DIN-R/RH/ISO 5

xx

10 = Fail-secure model	12 V DC
11 = Fail-secure model	24 V DC
60 = Fail-safe model	12 V DC
61 = Fail-safe model	24 V DC

Wiring

SVP-A		**SVP/SVZ 6xxx**
Wire colours		**Function**
sw	= black	GND
br	= brown	“Trip latch engaged”, NC
rs/gr	= pink/grey	“SVP/SVZ unlocked”, NO
rt	= red	Lever handle engage via GND contact Failsecure = NO/Fail-safe = NC
ws	= white	+ 12 V DC or + 24 V DC (stabilized)
ge	= yellow	“SVP/SVZ unlocked” and “Trip latch engaged”, C
gn	= green	not used
gr	= grey	Anti-tamper line
rs	= pink	Anti-tamper line
rt/bl	= red/blue	“SVP/SVZ locked”, NC
bl	= blue	“Lever handle operated”, NO
vi	= violet	“SVP/SVZ locked” and “Lever handle operated”, C

SVP 2000 – EMERGENCY ESCAPE MOTOR LOCK WITH AUTOMATIC LOCKING ACTION

SVP 2xxx F

Emergency escape motor lock with automatic locking action, featuring mechanical and electrical sequential control for operation via external DORMA SVP-S-2x motor lock control. With microswitches for detection of “locked” (> 90%), “unlocked” (< 10% of the deadbolt shoot), “door open/closed” via trip latch, and also “lever handle operation/emergency unlocking”. Two-point locking activated by pre-loaded spring when door closes. Three-stage deadbolt safeguard mechanism. Universal trip latch (24 mm forend versions non-handed). Emergency unlocking by lever handle; night latch function with key access from the outside. Steel bolt projection 20 mm. 9 mm-follower. Corrosion-protected steel lock case to DIN dimensions, complete with forend and matching strike plate in stainless steel.

Model variations:

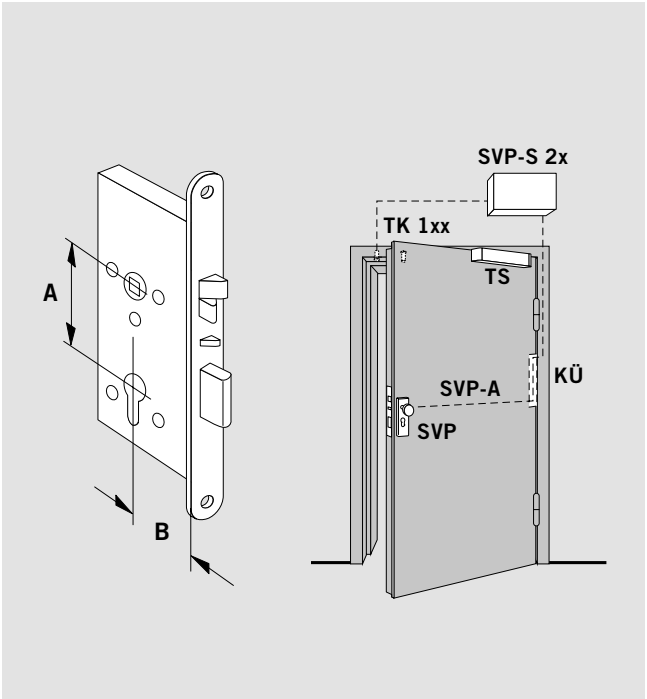
- ☐ Pierced for Europrofile cylinder
- ☐ Pierced for round cylinder
- ☐ Over-rebated door (forend 235 x 20 mm, rebated strike plate)
- ☐ Flush-closing door (forend 235 x 24 mm, standard strike plate)
- ☐ Metal-framed door (forend 270 x 24 mm, standard strike plate)

Follower-to-keyway centres _____ mm
Backset _____ mm
Handing _____

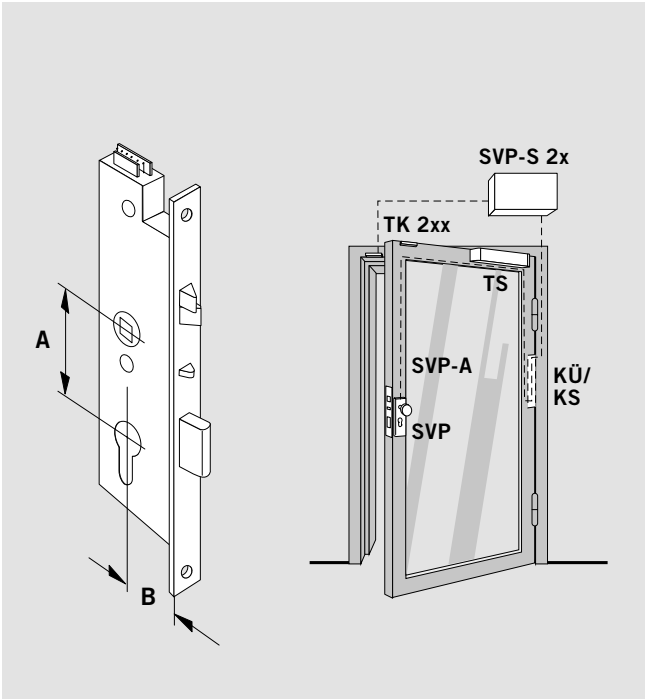
Requisite accessories (to order):

- ☐ DORMA SVP-S2x motor lock control
- ☐ DORMA SVP-A connecting cable
- ☐ DORMA KÜ/KS cable loop
- ☐ DORMA TK reed door contact

SVP 22xx / SVP 23xx



SVP 27xx / SVP 28xx



SVP 2000 for solid doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Over-rebated door Forend: 235 x 20	72	55	L	SVP 2251	15225100
				R	SVP 2252	15225200
			60	L	SVP 2261	15226100
				R	SVP 2262	15226200
			65	L	SVP 2271	15227100
				R	SVP 2272	15227200
			80	L	SVP 2281	15228100
				R	SVP 2282	15228200
			100	L	SVP 2291	15229100
				R	SVP 2292	15229200
	Flush-closing door Forend: 235 x 24		55	L/R	SVP 2257/2258	15225700
			60	L/R	SVP 2267/2268	15226700
			65	L/R	SVP 2277/2278	15227700
RZ	Over-rebated door Forend: 235 x 20	74	65	L	SVP 2371	15237100
				R	SVP 2372	15237200
			80	L	SVP 2381	15238100
				R	SVP 2382	15238200
	Flush-closing door Forend: 235 x 24		65	L/R	SVP 2377/2378	15236700

SVP 2000 for metal-framed doors

Cylinder	Door type	Follower-to keyway centres A	Backset B	Handing	Model	Order No.
PZ	Metal-framed door Forend: 270 x 24	92	35	L/R	SVP 2719	15271900
			45	L/R	SVP 2739	15273900
RZ		94	35	L/R	SVP 2819	15281900
			45	L/R	SVP 2839	15283900

All dimensions in mm
PZ Europrofile cylinder
RZ Round cylinder
L DIN-L/LH/ISO 6
R DIN-R/RH/ISO 5

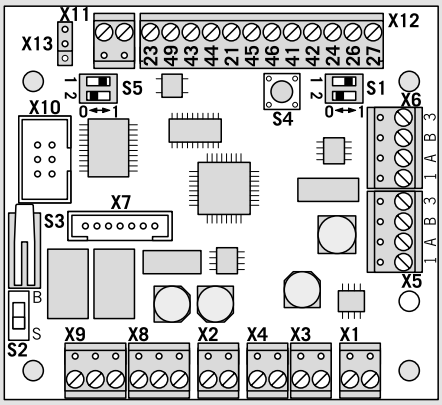
SVP-S2X DCW® – MOTOR LOCK CONTROLS

Motor lock controls for operation of the SVP 2000, 4000 and 6000 emergency escape locks with automatic locking action. With unlocking by pulse delivered via floating (no-volt) NO contact; “permanent open” (disabling of the automatic locking function, e.g. for daytime operation), and adjustment of the re-locking time, plus programming of the inputs and outputs via PC or Palm PDA with TMS-Soft.

Maximum anti-tamper protection thanks to automatic locking in the event of a power failure with SVP-PR 12 power reserve module (option).

Electric sequential control by external reed door contact incorporated in the trip latch function. Signals for “unlocked/ locked”, “door open/door closed”, “lever handle operation/emergency unlocking”.

Technical data	
Power supply:	24 VDC, +/– 10% stabilised
Current consumption:	
max.	40 mA
with motor current max.	500 mA
Power supply:	12 VDC, +/– 10% stabilised
Current consumption:	
max.	70 mA
with motor current max.	700 mA
Contact rating:	24 V DC 0.5 A inductive / 1.0 A ohmic

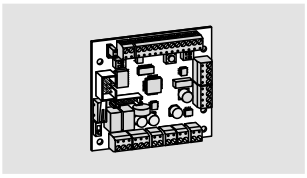
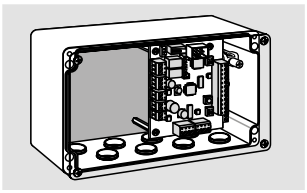
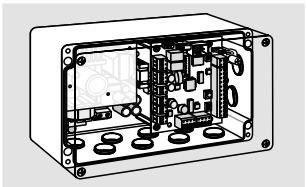
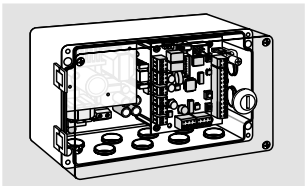
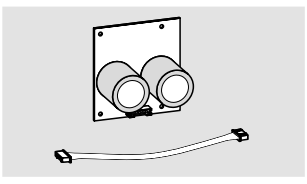


See page 24 for terminal assignments and functions

F Note

The “permanent open” function must not be used in the case of fire and smoke check doors as the latching of the door in the event of fire is not guaranteed.

When using SVP 2000 motor locks on fire and smoke check doors, the control must be tripped – i.e. cut out – by an approved fire/smoke detector! The SVP-PR 12 power reserve module is mandatory for applications involving fire and smoke check doors.

	Specification texts	Order No.
	SVP-S 2x DCW® LON Motor lock control module for SVP 2xxx motor locks. DORMA SVP-S 2x DCW® motor lock control for operation of SVP 2000 emergency escape motor locks. Re-locking time can be parameterised with TMS-Soft software package via integrated RS 232 interface whenever required. Two freely parameterisable opto-coupler inputs and two freely parameterisable floating relay outputs. Unlocking or permanent open (de-activation of the automatic locking action, e.g. for daytime operation) at opto-coupler inputs. Two freely selectable signals: “unlocked”, “locked”, “door open/closed”, “lever operation/emergency unlocking” available via floating (no-volt) relay outputs. Power supply: 12/24 V DC Peak starting current: 1 A close-circuit current approx. 65 mA Contact rating: 24 V DC 0.5 A inductive 1.0 A ohmic PCB dimensions (W x H x D) approx. 75 x 79 x 15 mm	
	**SVP-S 22 DCW®** Supplied for installation in control panels/switchgear cabinets and DORMA RZ TMS emergency exit control units, and also for replacement/system expansion.	15922202
	**SVP-S 23 DCW®** PCB installed in plastics enclosure, IP 40. Enclosure dimensions (W x H x D): approx. 200 x 120 x 90 mm	15922302
	**SVP-S 24 DCW®** Installed in plastics enclosure, IP 54, with DORMA NT 24-1.5 S power supply unit. Power supply data: 230 V AC +/– 10% Enclosure dimensions (W x H x D): approx. 200 x 120 x 90 mm	15922402
	**SVP-S 25 DCW®** Installed in lockable plastics enclosure, IP 54, with DORMA NT 24-1.5 S power supply unit. Power supply data: 230 V AC +/– 10% Enclosure dimensions (W x H x D): approx. 200 x 120 x 90 mm	15922502
	**SVP-PR 12** Power reserve module Supplementary module for ensuring automatic re-locking in the event of a power failure (mandatory for SVP locks installed in fire and smoke check doors).	15922601

SVP-S2X DCW® – TERMINAL ASSIGNMENT AND FUNCTIONS

S1 Microswitch for setting the component address

Microswitch 1	Microswitch 2	Address DCW® mode	Unlocking function LON mode
0	0	1	Pulse
1	0	2	Pulse
0	1	3*	Pulse
1	1	4*	Steady-state actuation

*with TMS, only address 1 + 2 possible

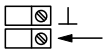
S2 Service switch for suppressing anti-tamper alarm
B = Normal operation (casing anti-tamper contact activated)
S = Service (casing anti-tamper contact switched off)

S3 Anti-tamper switch

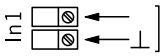
S4 Reset pushbutton:
Press < 8 sec. ⟶ Timeout acknowledgement
(deadbolt obstruction or continuous motor operation)
Press < 8 sec. ⟶ Re-initiation of default values

S5 Micro-switches for mode selection (DCW® / LON)

Switch 1	Switch 2	Mode
0	0	DCW® with SVP 2xxx
1	0	LON with SVP 2xxx
0	1	DCW® with SVP 4xxx/6xxx
1	1	LON with SVP 4xxx/6xxx

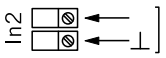
X1 

Stabilised power supply
12V DC, +/- 10%; 1A

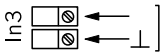
X3 

DCW®: Core 1: Radar input / ED;
Core 2: not used

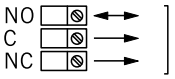
LON: Unlocking command
- Pulse T > 100 ms / < 6 s
  = Short-time unlocking
- Pulse T > 6 s
  = Permanent unlocking
- Second Pulse T > 6 s
  = Cancellation of permanent unlocking
- Steady-state actuation control:
  - Bolt remains retracted as long as actuation signal applied.
  - Minimum unlocking time
    = 2 seconds.

X4 

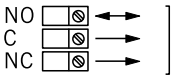
DCW®: Core 1: Temporary unlocking;
Core 2: not used
LON: TK reed door contact

X2 

DORMA RM smoke detector
(LON mode only)
or ⌋ jumper

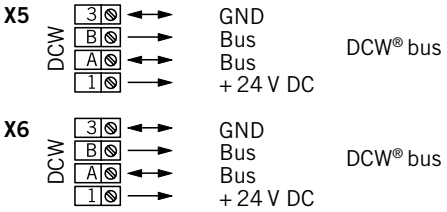
X8 

DCW®: Core 1: Pulse output ED;
Core 2: not used
LON: Locked/Unlocked

X9 

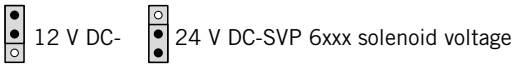
DCW®: Core 1: Radar output ED;
Core 2: not used
LON: Lever handle operated

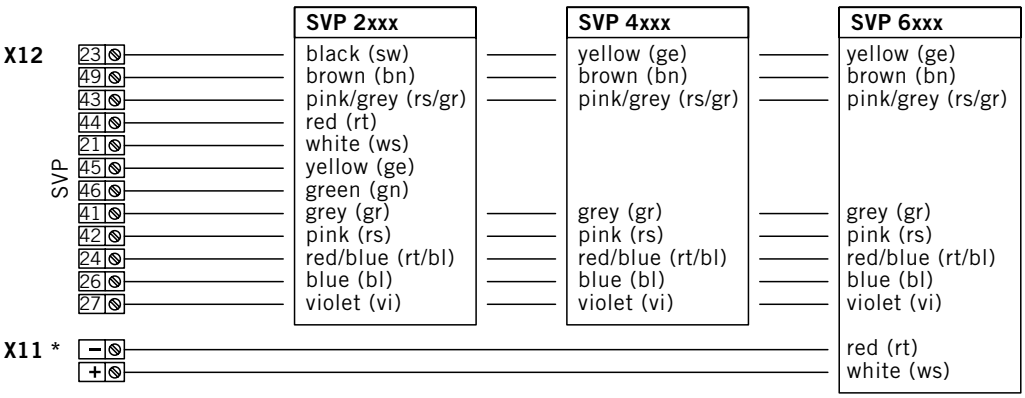
Inputs and outputs freely configurable



X7 Connection to firmware programming device or connection for SVP-PR 12 power reserve module

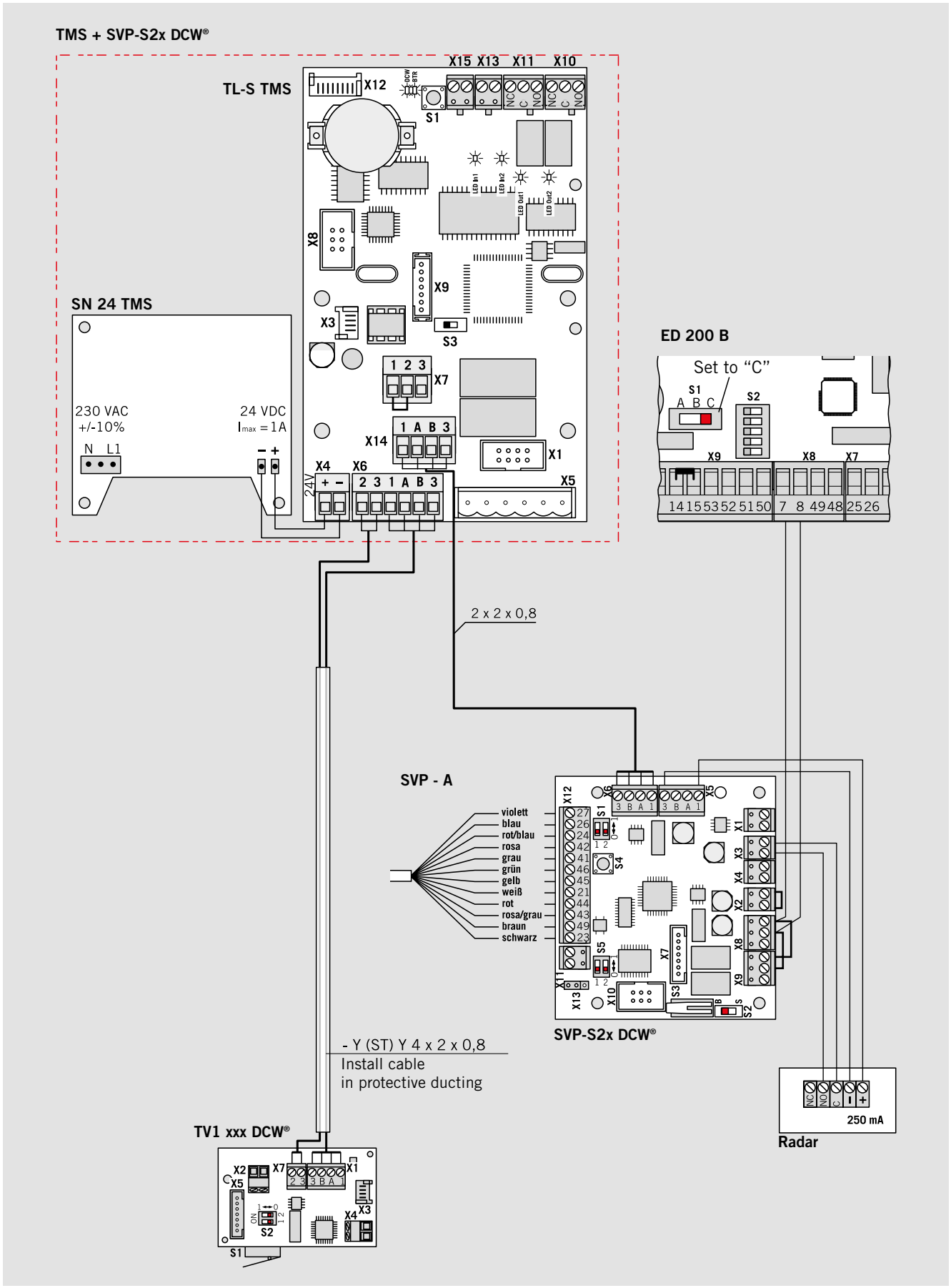
X10 PC/LON interface RS 232

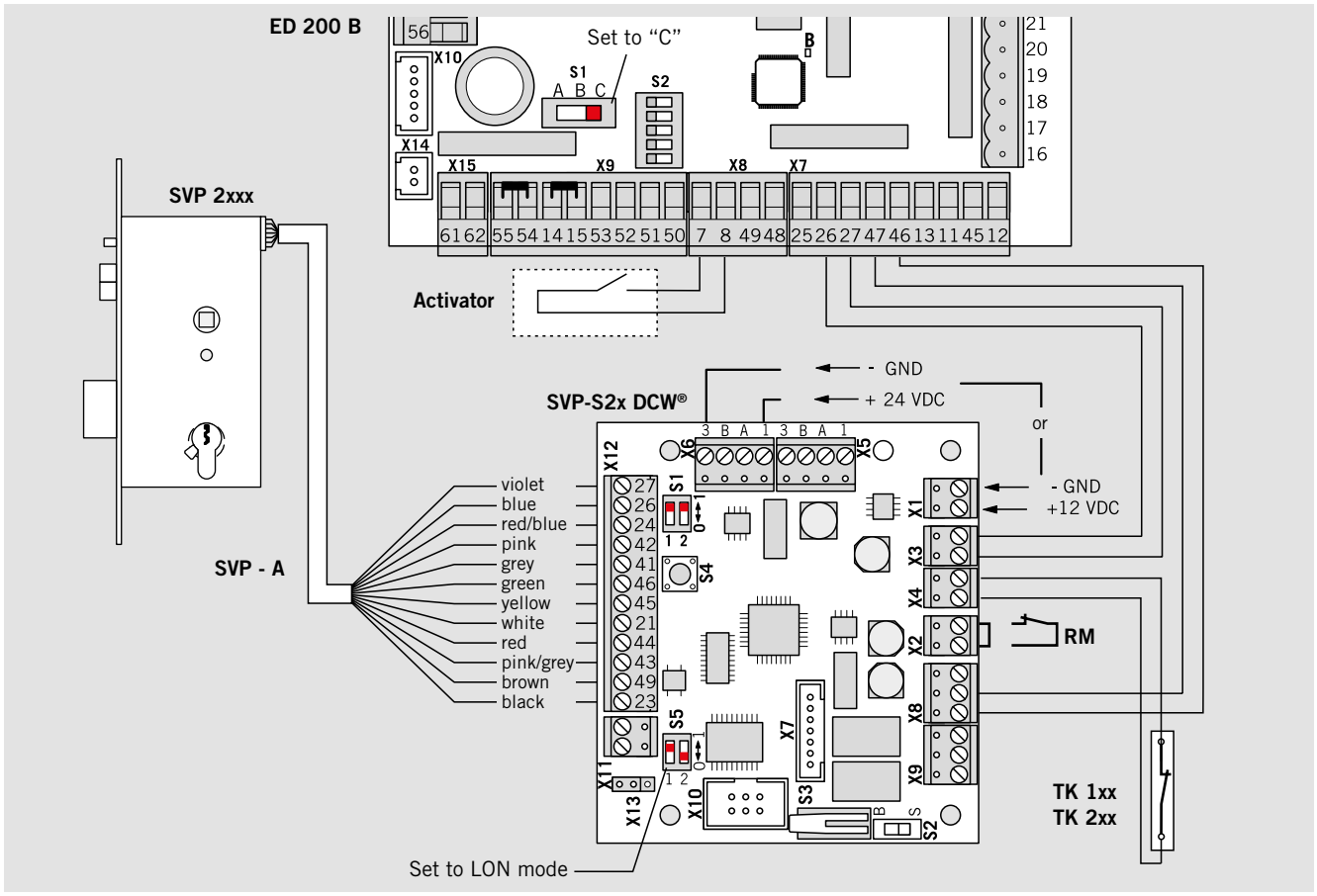


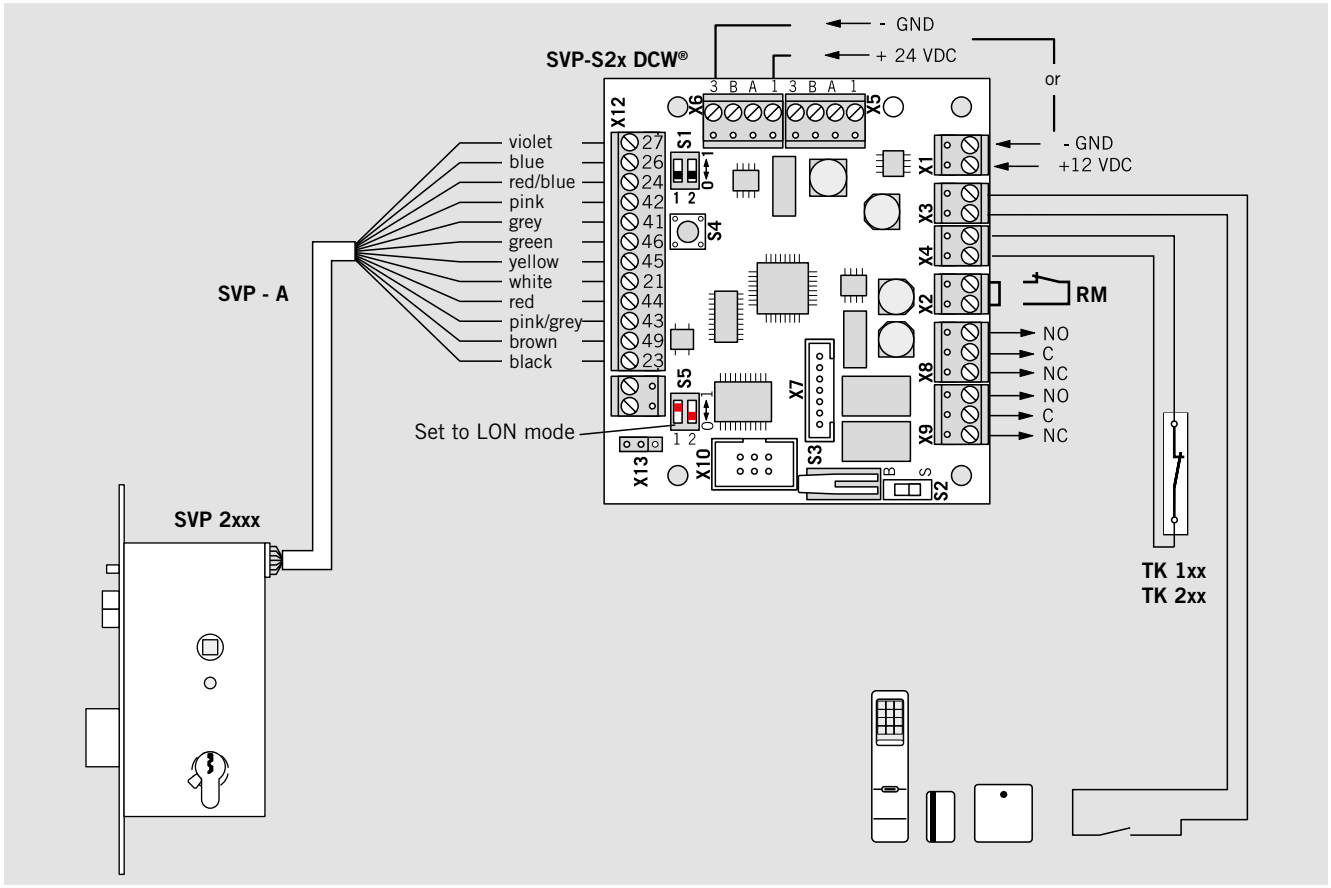


* Default DCW / LON: Fail safe

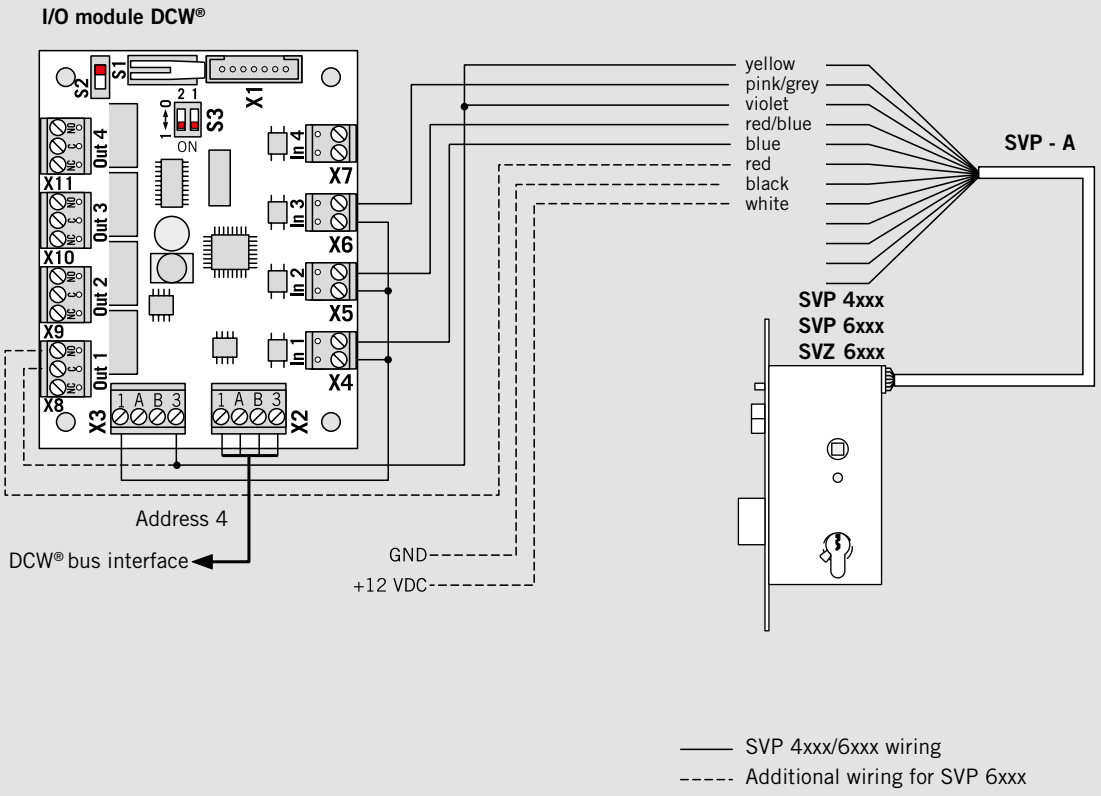
SVP-S2X DCW® – TERMINAL CONNECTION DIAGRAMS

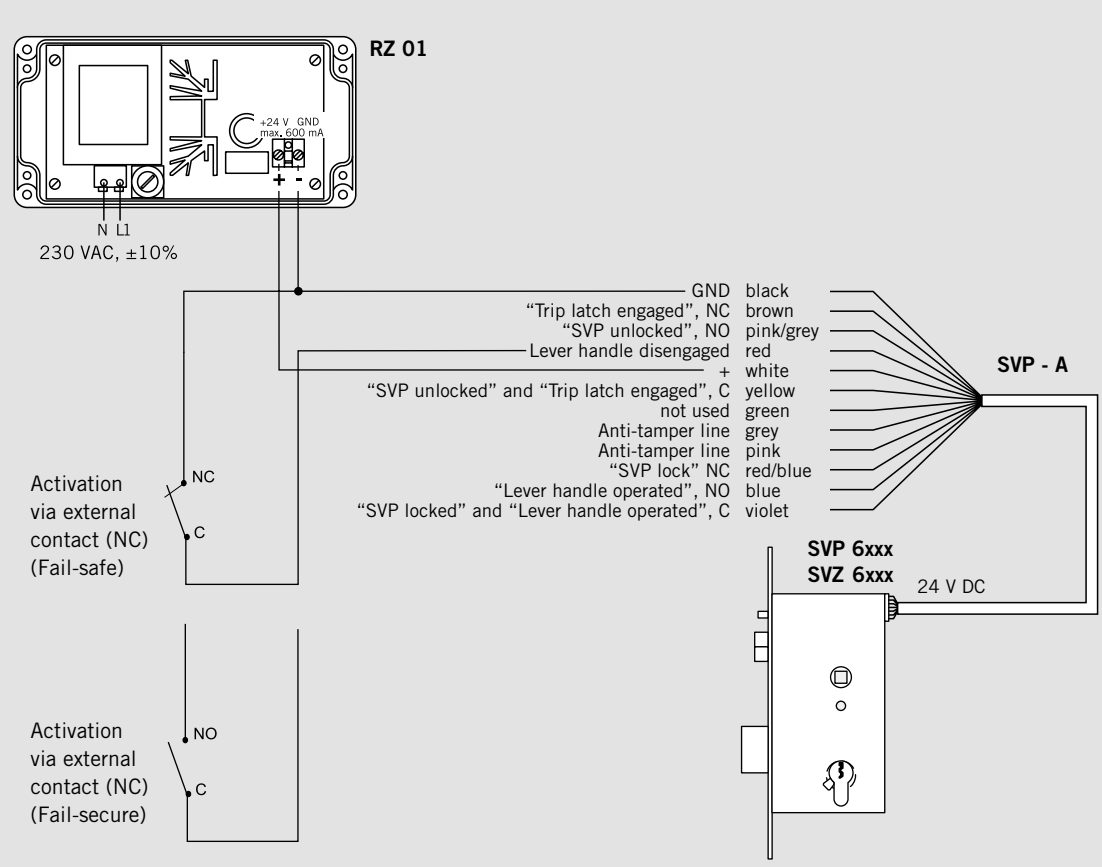


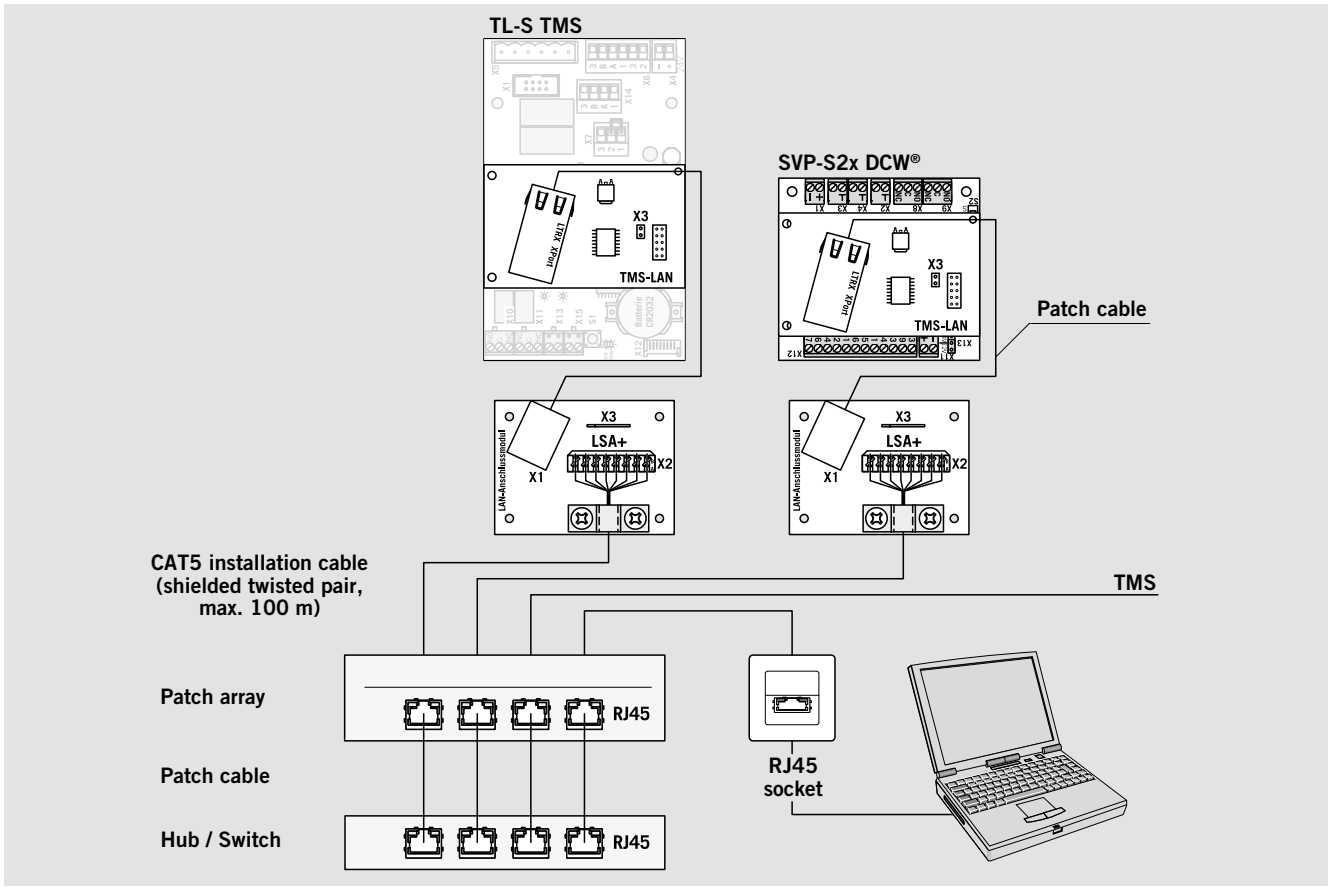

ED 200 B
Set to “C”
SVP 2xxx
Activator
SVP-S2x DCW®
- GND
+ 24 VDC
or
- GND
+12 VDC
SVP - A
violet
blue
red/blue
pink
grey
green
yellow
white
red
pink/grey
brown
black
RM
TK 1xx
TK 2xx
Set to LON mode

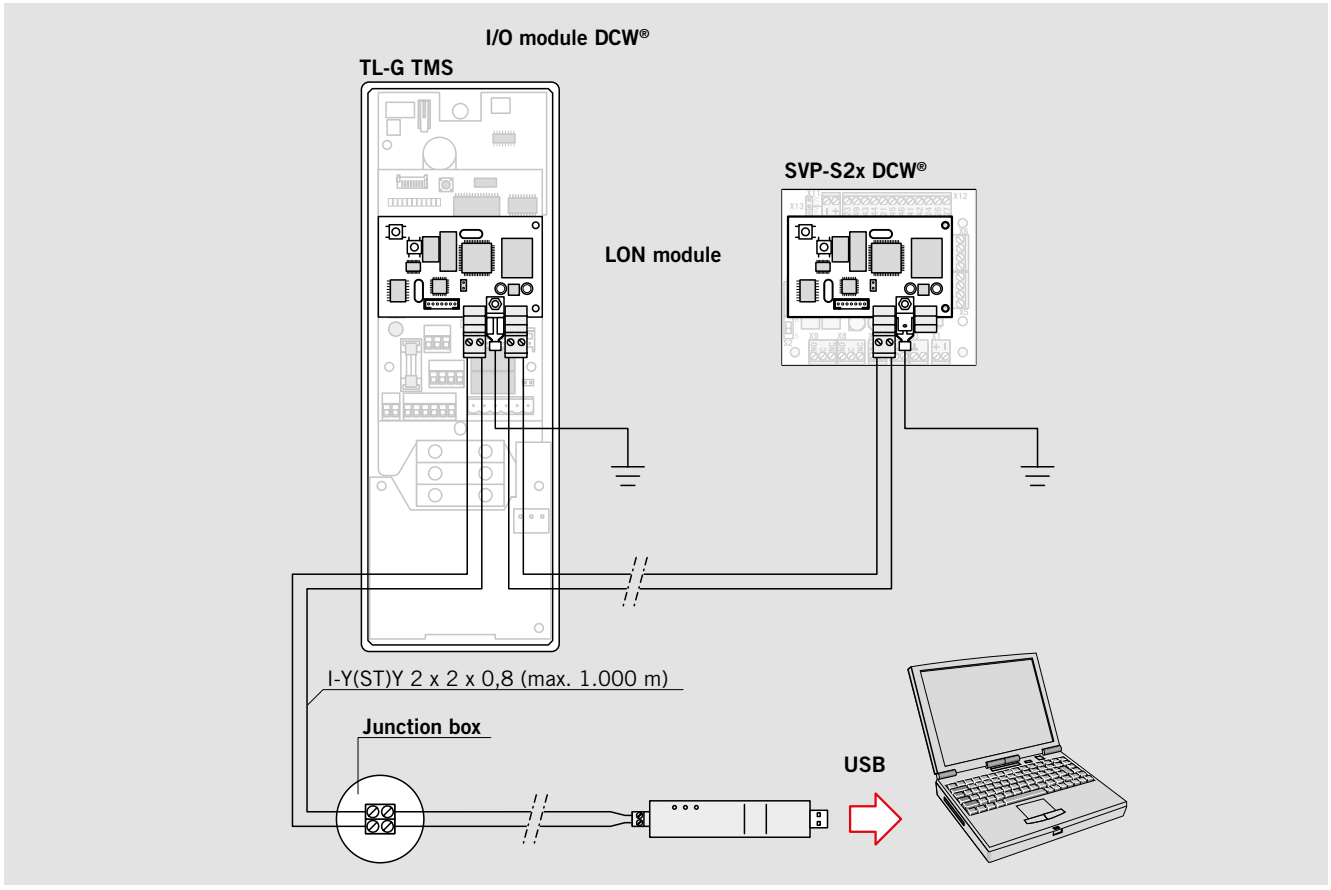

SVP-S2x DCW®
- GND
+ 24 VDC
or
- GND
+12 VDC
SVP - A
violet
blue
red/blue
pink
grey
green
yellow
white
red
pink/grey
brown
black
RM
NO
C
NC
NO
C
NC
Set to LON mode
SVP 2xxx
TK 1xx
TK 2xx

SVP-S2X DCW® – TERMINAL CONNECTION DIAGRAMS

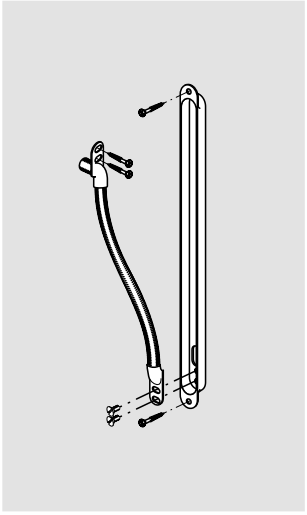
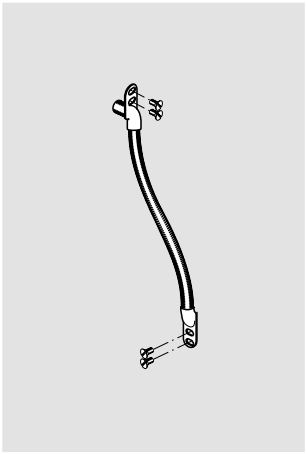




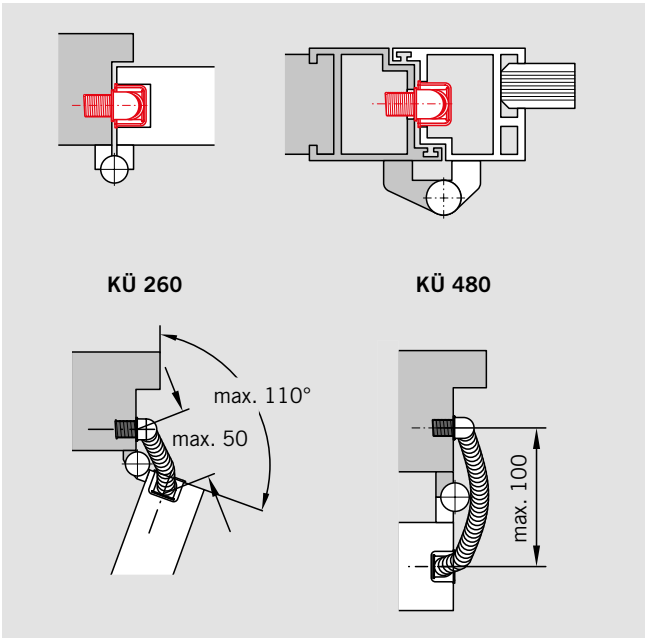

TL-S TMS
SVP-S2x DCW®
X3
TMS-LAN
Patch cable
LSA+
X1
X2
LAN-Anschlussmodul
CAT5 installation cable
(shielded twisted pair,
max. 100 m)
TMS
Patch array
RJ45
Patch cable
Hub / Switch
RJ45
RJ45
socket


I/O module DCW®
TL-G TMS
SVP-S2x DCW®
LON module
I-Y(ST)Y 2 x 2 x 0,8 (max. 1.000 m)
Junction box
USB

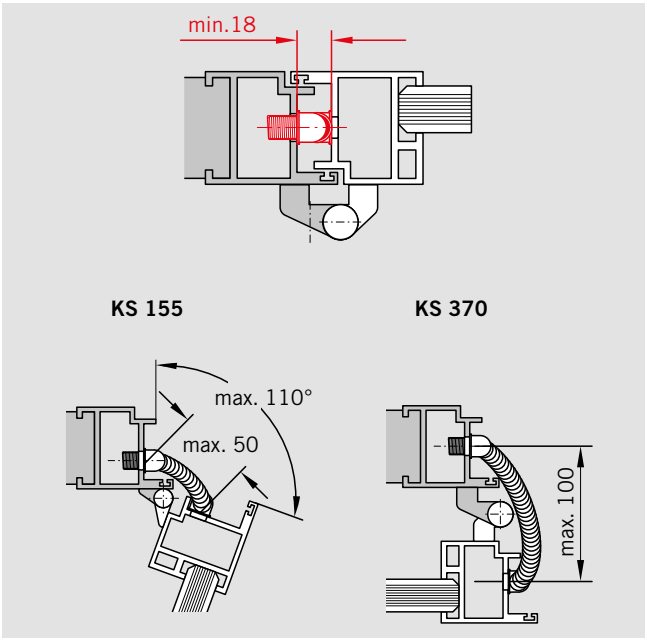
SVP/SVZ ACCESSORIES

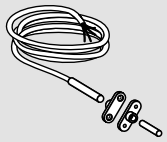
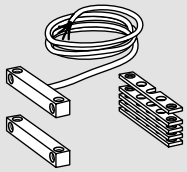
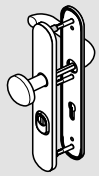
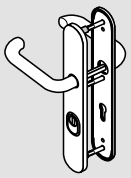
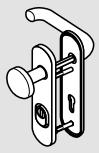
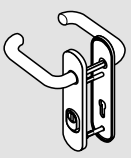
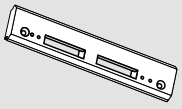
	Specification text	Order No.
	**KÜ – Cable loop** Cable loop in the form of a robust stainless steel spiral sheath with stainless steel recess channel for ducting of flexible interconnecting cable of up to 8 mm in diameter. Guarantees pinch-free and tamper-protected connection between the leaf and frame of doors and windows. ▪ **KÜ 260** for door hinges with a pivot offset of up to 18 mm and opening angles up to 110°; flexible length of spiral sheath: 155 mm; installation dimensions of recess channel (W x H x D): approx. 24 x 260 x 17 mm	15811000
	▪ **KÜ 480** for door hinges with a pivot offset of up to 36 mm and opening angles up to 180°; flexible length of spiral sheath: 370 mm; installation dimensions of recess channel (W x H x D): approx. 24 x 480 x 17 mm	15813000
	**KS – Cable loop** Cable loop in the form of a robust stainless steel spiral sheath for the ducting of flexible interconnecting cable of up to 8 mm in diameter between moving components with cavity; also suitable for surface mounting. ▪ **KS 155** for door hinges with a pivot offset of up to 18 mm and opening angles up to 110°; flexible length of spiral sheath: 155 mm; installation dimensions (W x H x D): approx. 17 x 245 x 15 mm	15817000
	▪ **KS 370** for door hinges with a pivot offset of up to 36 mm and opening angles up to 180°; flexible length of spiral sheath: 370 mm; installation dimensions (W x H x D): approx. 17 x 460 x 15 mm	15819000

Cable loop KÜ 260/480



Cable loop KS 155/370



	Specification text	Order No.
	**SVP-A 1000** Connecting cable, 12-core, with plug connector fitted at one end to ensure correct electrical mating with SVP 6xxx, 4xxx (Version for metal-framed doors) and SVP 2xxx motor and switch-monitored emergency escape locks with automatic locking action.	49932990
	SVP-A 1100 Connecting cable, 12-core, with plug connector fitted at one end to ensure correct electrical mating with SVP 6xxx, 4xxx (Version for timber doors). Length = 10 m, Ø = 6,5 mm	70932992
 	**TK** Reed door contact for monitoring of the opening of doors, with 4 m flexible connection lead and integrated anti-tamper line. NO fail-safe contact, contact rating: max. 10 W. Kit includes magnet in the same enclosure.	
	☐ for timber doors only, recessed installation (VdS No. G 191518, Class B or equivalent), dimensions (Ø x D): approx. 6 x 30 mm.	
	☐ **TK 103** brown	
	☐ **TK 110** white	49930103
	☐ for timber and metal-framed doors, surface installation (VdS No. G 191523 or equivalent), dimensions (W x H x D): approx. 55 x 10 x 10 mm	49930110
	☐ **TK 203** brown	49931203
	☐ **TK 210** white	49931210
 	**SVP-SB 210** F Security door fitting to EN 179 and DIN 18257 ES 1 with cylinder core pull protection for SVP timber door leaf locks, German-approved for fire and emergency exit doors, follower-to-keyway centres 72 mm (Europrofile cylinder), door thickness 45 – 54 mm, cylinder projection 9 – 15 mm, finish F1, long backplate, external knob fixed dead, internal lever handle fitting with 9 mm spindle.	49951001
	SVP-SB 211 F Security door fitting to EN 179 and DIN 18257 ES 1 with cylinder core pull protection for SVP 6xxx timber door leaf locks, German-approved for fire and emergency exit doors, follower-to-keyway centres 72 mm (Europrofile cylinder), door thickness 45 – 54 mm, cylinder projection 9 – 15 mm, finish F1, long backplate, lever handles on both sides with split spindle.	49951101
 	**SVP-SB 710** F Security door fitting to EN 179 and DIN 18257 ES 1 with cylinder corepull protection for SVP narrow stile locks, German-approved for fire and emergency exit doors, follower-to-keyway centres 92 mm (Europrofile cylinder), door thickness 55 – 64 mm, cylinder projection 9 – 15 mm, finish F1, short backplate, external knob fixed dead, internal lever handle fitting with 9 mm spindle.	49961001
	SVP-SB 711 F Security door fitting to EN 179 and DIN 18257 ES 1 with cylinder core pull protection for SVP 6000 narrow stile locks, German-approved for fire and emergency exit doors, follower-to-keyway centres 92 mm (Europrofile cylinder), door thickness 55 – 64 mm, cylinder projection 9 – 15 mm, finish F1, short backplate, lever handles on both sides with split spindle.	49961101
	**Strike plate SVP-Z xxx**	
	☐ Special Strike plate for Schüco RS 65 SVP-Z 065	49940065
	☐ Special Strike plate for Schüco RS 70 SVP-Z 070	49940070

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