Automatic-action locks

DORMA SVP/SVZ

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

Additional information concerning many of our products is available from a range of electronic media (Internet, CD-ROM).
The abbreviated codes next to the computer symbol indicate the search terms.

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	●	●	●	●	●
Three-stage deadbolt safeguard mechanism	●	●	●	●	●
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	–	–	●	●	●
Electric sequential control (anti-tamper protection)	–	–	–	●	–
Automatic reset of the enable signal following non-effected door opening	–	–	●	●	●

● = yes – = no

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

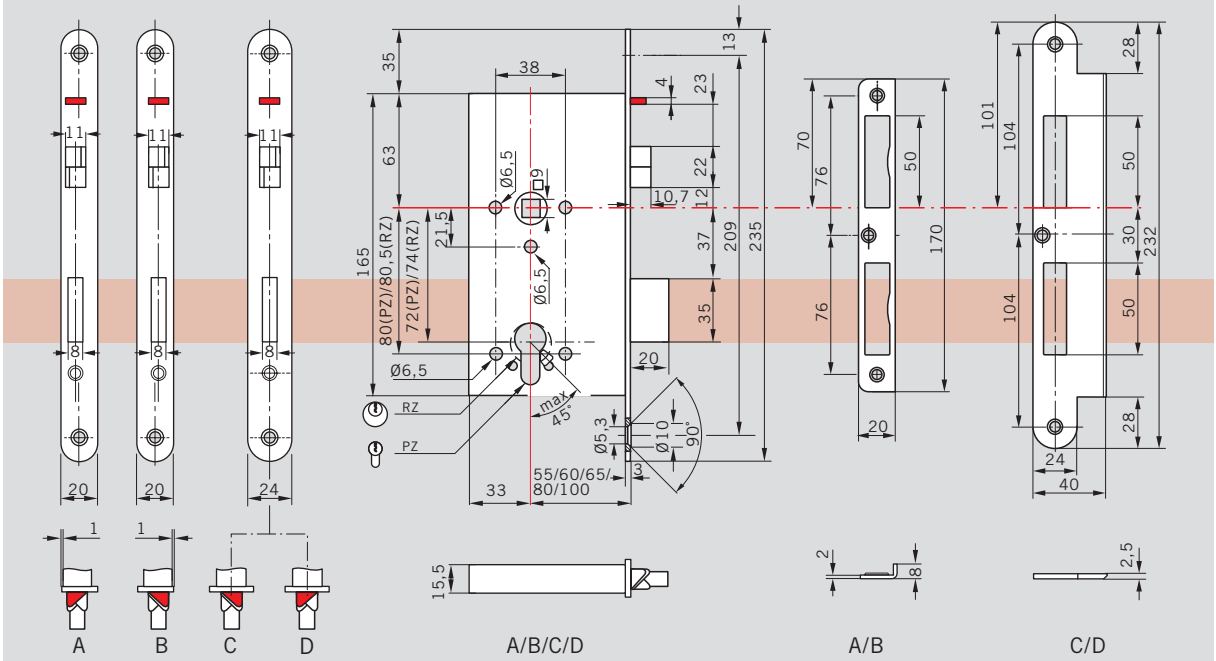
F Approval certification

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.

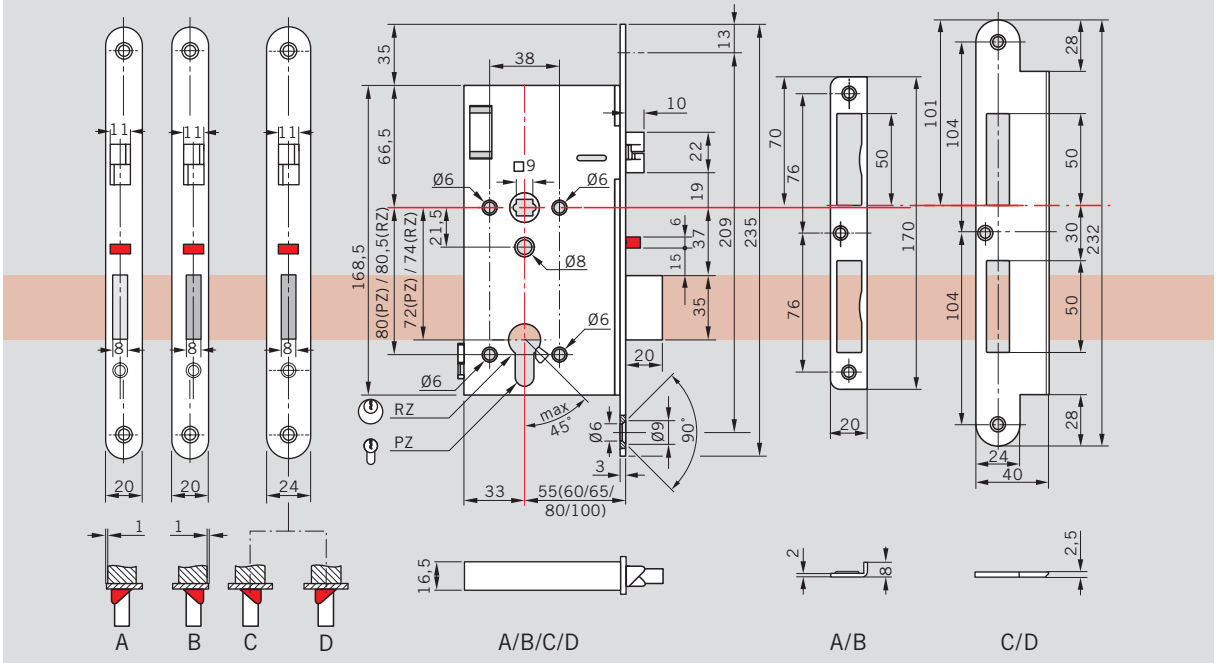
DORMA SVP locks have been certified as suitable in conjunction with lever handles and panic bars of various manufacturers in accordance with **EN 179** "Emergency exit devices operated by a lever handle or push pad" and **EN 1125** "Panic exit devices operated by a horizontal bar", and are therefore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

For solid doors

SVP 2000 Order No. 152xxx 00
SVP 4000 / 5000 / 6000

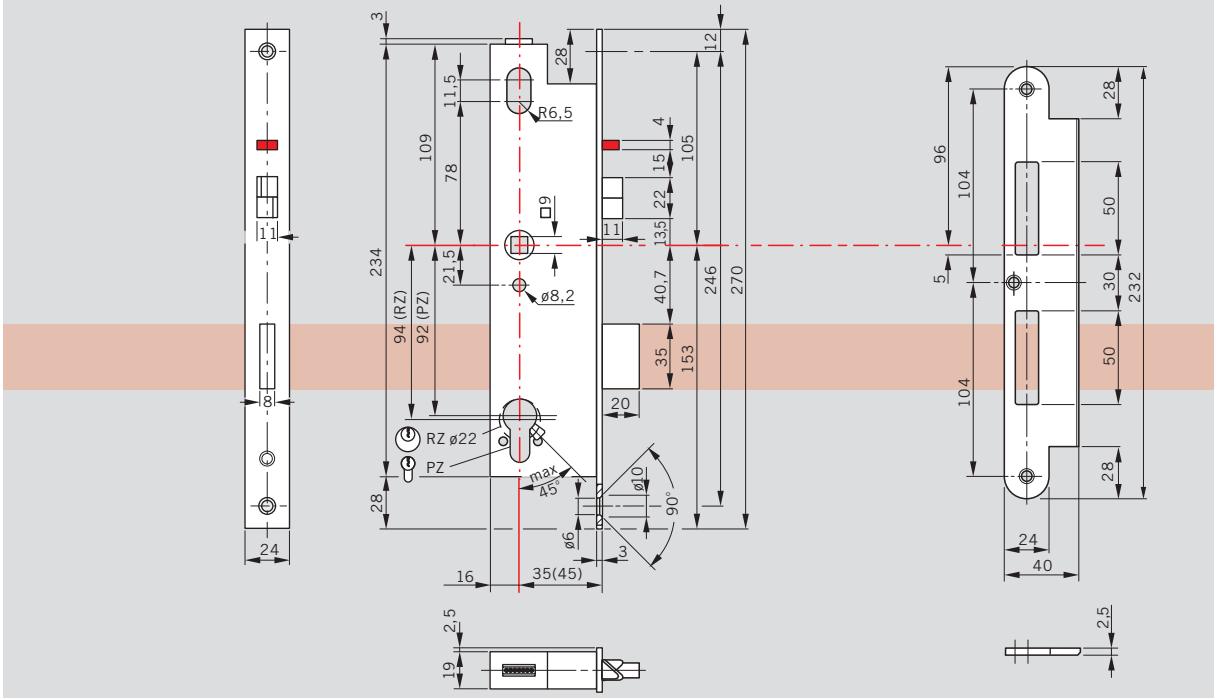


SVP 2000 Order No. 492xxx 15

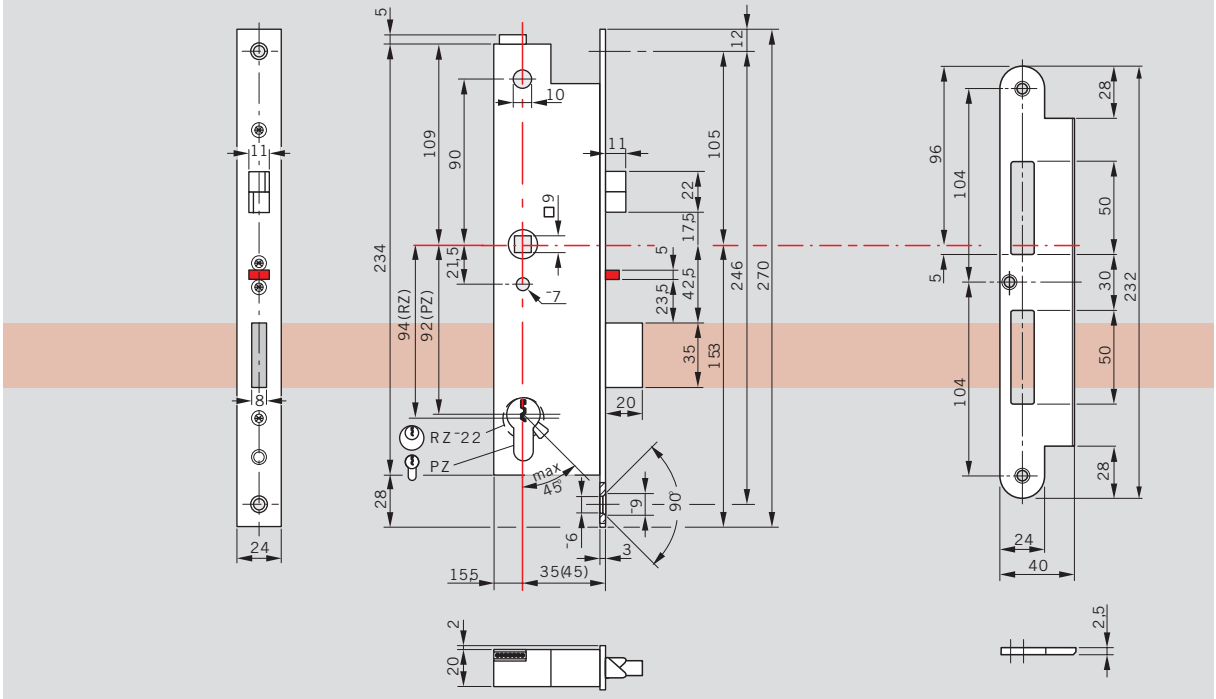


For metal-framed doors

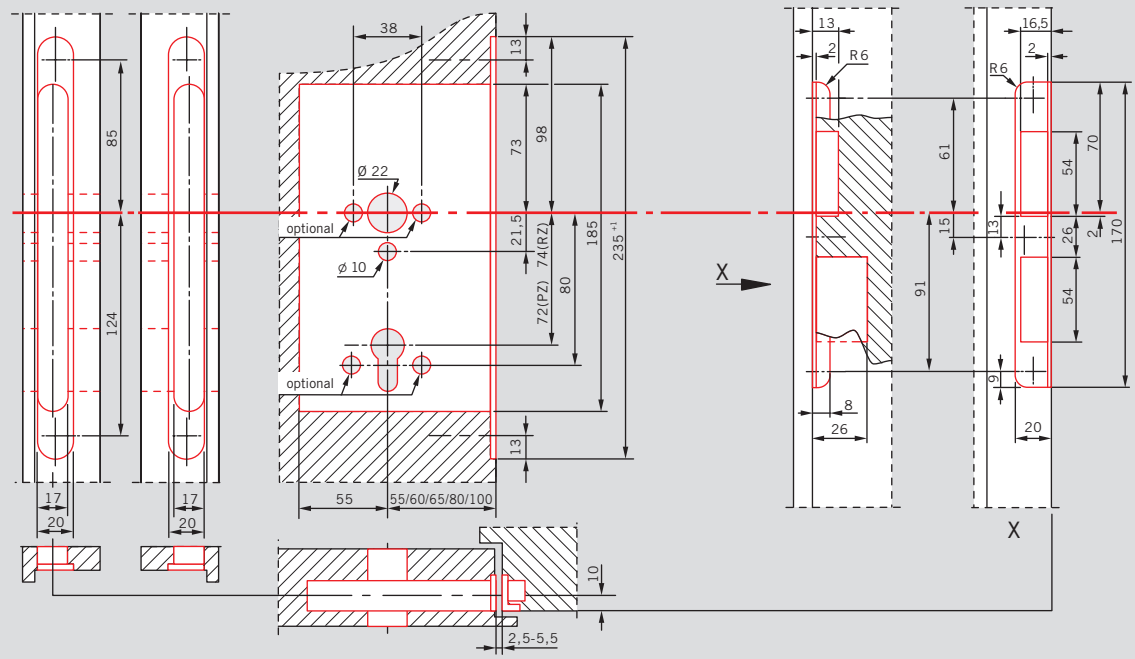
SVP 4000 / 5000 / 6000



SVP 2000

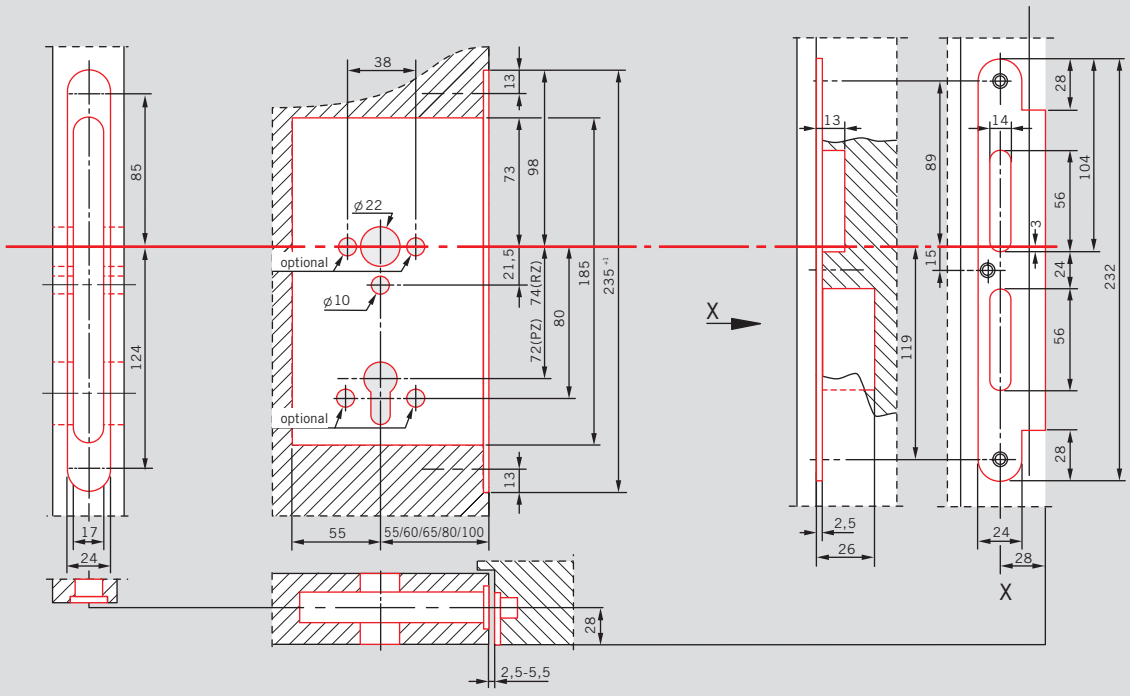


Solid door (over-rebated)



PZ = Europrofile cylinder
RZ = Round cylinder

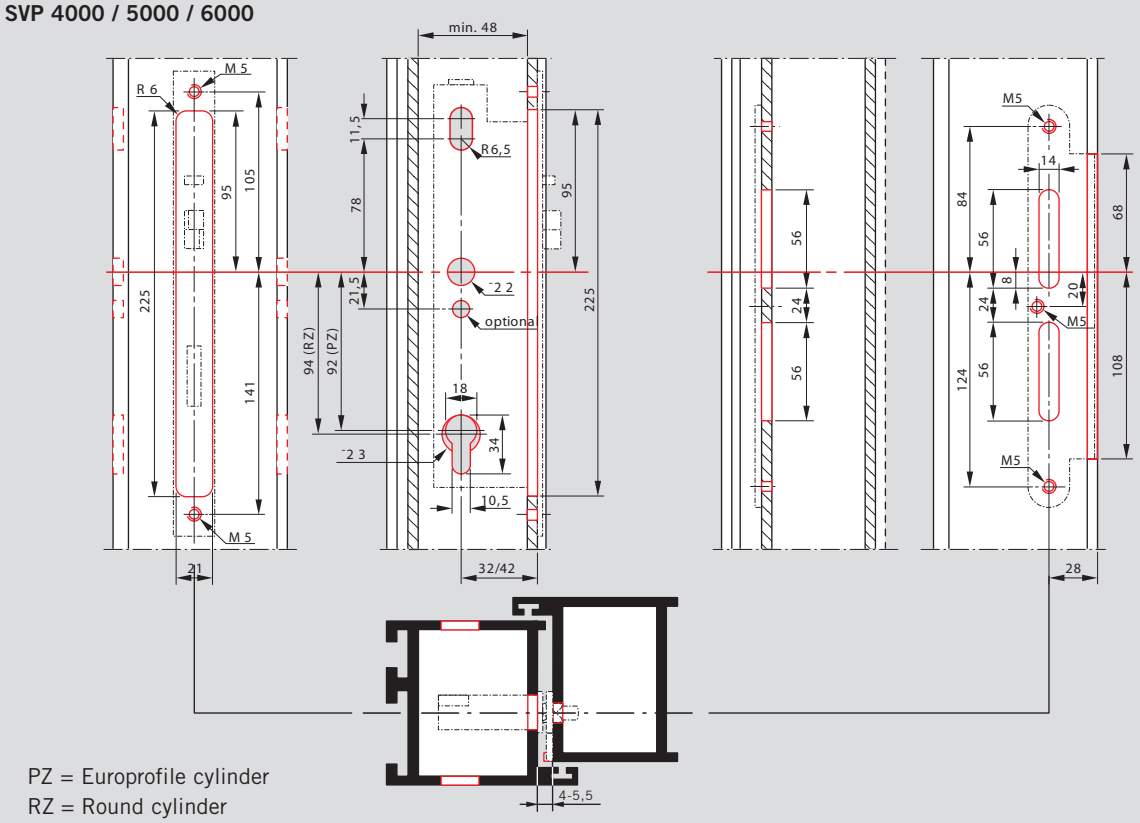
Solid door (flush-closing)



PZ = Europrofile cylinder
RZ = Round cylinder

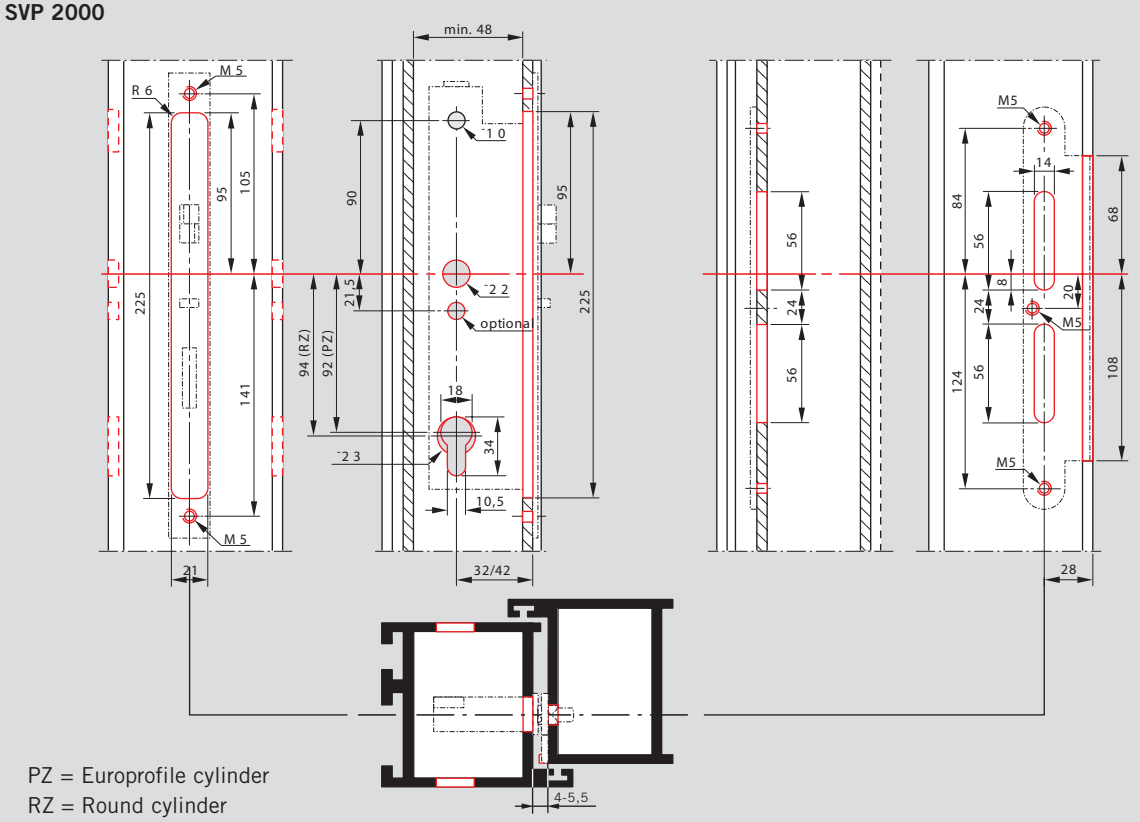
Metal-framed door

SVP 4000 / 5000 / 6000



PZ = Europrofile cylinder
RZ = Round cylinder

SVP 2000



PZ = Europrofile cylinder
RZ = Round cylinder

Emergency escape lock with automatic locking action

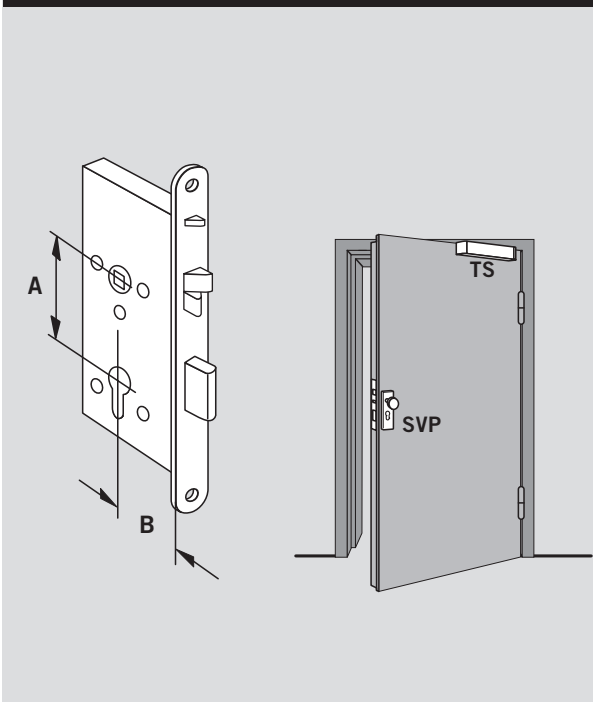
F

DORMA SVP 5xxx
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.

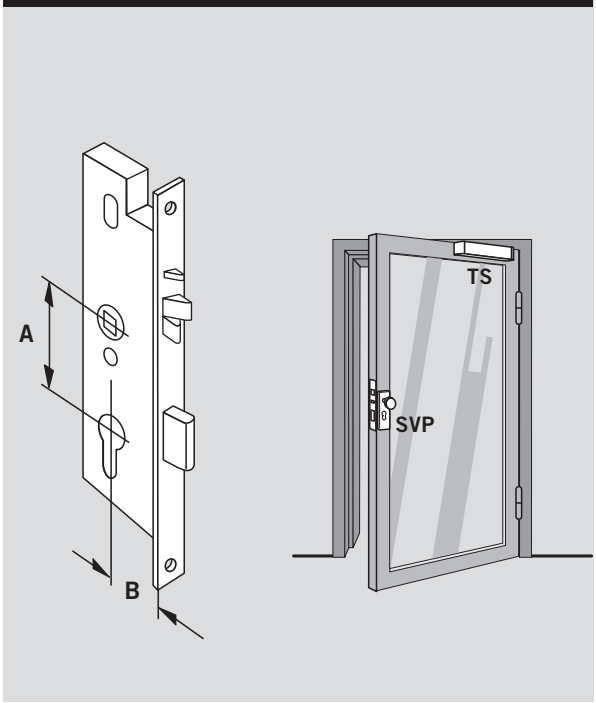
Model variations:
- ☐ Pierced for Europrofile cylinder
- ☐ Pierced for round cylinder
- ☐ Over-rebated door
  (forend 235 x 20 mm, rebated strike plate)
- ☐ Flush-closing door
  (forend 235 x 24 mm, standard strike plate)
- ☐ Metal framed door
  (forend 270 x 24 mm, standard strike plate)
  Follower-to-keyway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

SVP5xxx

SVP 52xx / SVP 53xx



SVP 57xx / SVP 58xx



Cylinder	Follower-to-keyway centres A	Door type	Backset B	Handing	Model	Order No.
Euro-profile cylinder 	72	Over-rebated door Forend: 235 x 20	55	L	SVP 5251	15 **5251** 00
				R	SVP 5252	15 **5252** 00
			60	L	SVP 5261	15 **5261** 00
				R	SVP 5262	15 **5262** 00
			65	L	SVP 5271	15 **5271** 00
				R	SVP 5272	15 **5272** 00
			80	L	SVP 5281	15 **5281** 00
				R	SVP 5282	15 **5282** 00
			100	L	SVP 5291	15 **5291** 00
				R	SVP 5292	15 **5292** 00
		Flush-closing door Forend: 235 x 24	55	L/R	SVP 5257/5258	15 **5257** 00
			60	L/R	SVP 5267/5268	15 **5267** 00
			65	L/R	SVP 5277/5278	15 **5277** 00
	92	Metal-framed door Forend: 270 x 24	35	L/R	SVP 5719	15 **5719** 00
			45	L/R	SVP 5739	15 **5739** 00
Round cylinder 	74	Over-rebated door Forend: 235 x 20	60	L	SVP 5361	15 **5361** 00
				R	SVP 5362	15 **5362** 00
			65	L	SVP 5371	15 **5371** 00
				R	SVP 5372	15 **5372** 00
			80	L	SVP 5381	15 **5381** 00
				R	SVP 5382	15 **5382** 00
		Flush-closing door Forend: 235 x 24	60	L/R	SVP 5367/5368	15 **5367** 00
			65	L/R	SVP 5377/5378	15 **5377** 00
	94	Metal-framed door Forend: 270 x 24	35	L/R	SVP 5819	15 **5819** 00
			45	L/R	SVP 5839	15 **5839** 00

All dimensions in mm
L = DIN-L/LH/ISO 6
R = DIN-R/RH/ISO 5

Other variants on application

Switch-monitored emergency escape lock with automatic locking action

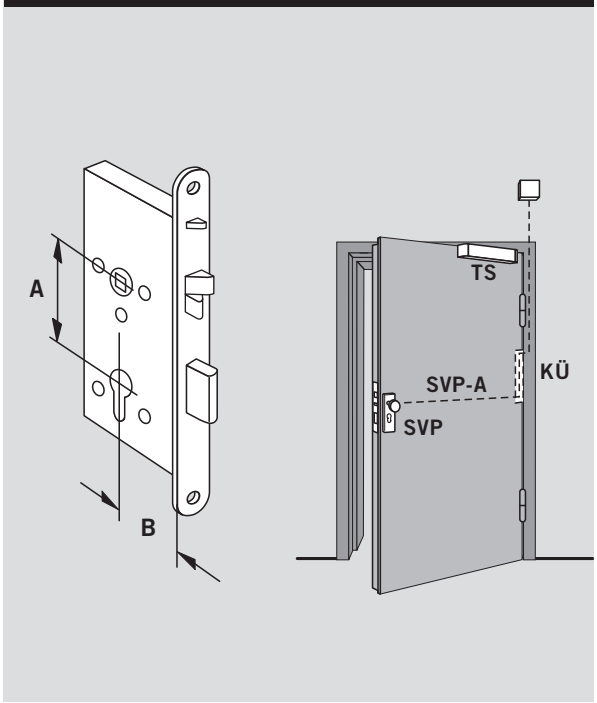
DORMA SVP 4xxx
Electrically monitored emergency escape lock with automatic locking action, with mechanical sequential control.
With microswitches for detection of “locked” (> 90%), “unlocked” (< 10% of deadbolt travel), “door open/closed” via trip latch, and “lever handle operation/emergency unlocking” 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 ...

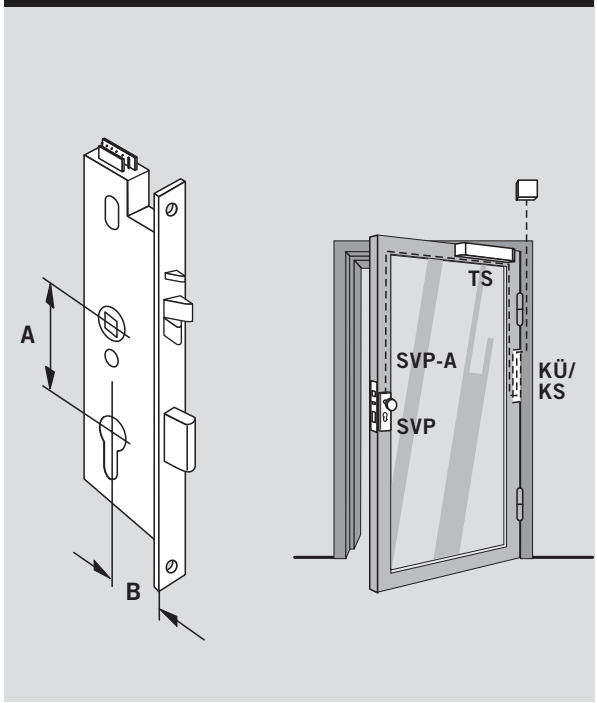
Requisite accessories (to order):
☐ DORMA SVP-A connecting cable
☐ DORMA KÜ/KS cable loop

SVP4xxx

SVP 42xx / SVP 43xx



SVP 47xx / SVP 48xx



Cylinder	Follower-to-keyway centres A	Door type	Backset B	Handing	Model	Order No.
Euro-profile cylinder 	72	Over-rebated door Forend: 235 x 20	55	L	SVP 4251	15 **4251** 00
				R	SVP 4252	15 **4252** 00
			60	L	SVP 4261	15 **4261** 00
				R	SVP 4262	15 **4262** 00
			65	L	SVP 4271	15 **4271** 00
				R	SVP 4272	15 **4272** 00
			80	L	SVP 4281	15 **4281** 00
				R	SVP 4282	15 **4282** 00
			100	L	SVP 4291	15 **4291** 00
				R	SVP 4292	15 **4292** 00
		Flush-closing door Forend: 235 x 24	55	L/R	SVP 4257/4258	15 **4257** 00
			60	L/R	SVP 4267/4268	15 **4267** 00
			65	L/R	SVP 4277/4278	15 **4277** 00
	92	Metal-framed door Forend: 270 x 24	35	L/R	SVP 4719	15 **4719** 00
			45	L/R	SVP 4739	15 **4739** 00
Round cylinder 	74	Over-rebated door Forend: 235 x 20	65	L	SVP 4371	15 **4371** 00
				R	SVP 4372	15 **4372** 00
			80	L	SVP 4381	15 **4381** 00
				R	SVP 4382	15 **4382** 00
		Flush-closing door Forend: 235 x 24	65	L/R	SVP 4377/4378	15 **4377** 00
	94	Metal-framed door Forend: 270 x 24	35	L/R	SVP 4819	15 **4819** 00
			45	L/R	SVP 4839	15 **4839** 00

All dimensions in mm
L = DIN-L/LH/ISO 6
R = DIN-R/RH/ISO 5

Other variants on application

SVP-A wiring	
SVP-A	**SVP 4xxx**
Wire colours	Function
sw = black	not used
br = brown	“Trip latch engaged”, NC
rs/gr = pink/grey	“SVP unlocked”, NO
rt = red	not used
ws = white	not used
ge = yellow	“SVP 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 locked”, NC
bl = blue	“Lever handle operated”, NO
vi = violet	“SVP locked” and “Lever handle operated”, C

Switch-monitored solenoid emergency escape lock with automatic locking action

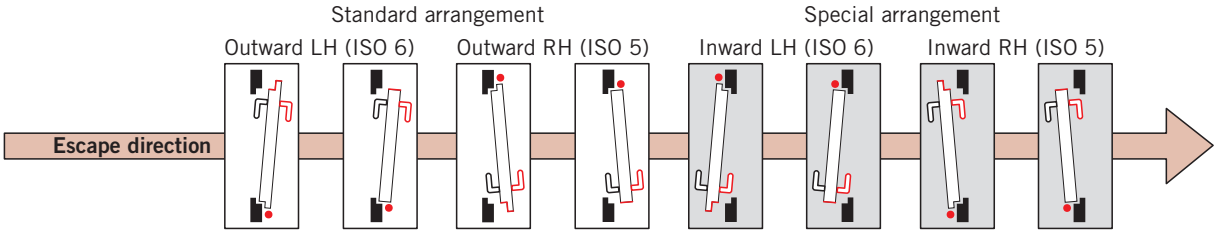
DORMA SVP 6xxx
Emergency escape solenoid lock with automatic locking action, electrically monitored, with split follower, electrically activated external lever handle of fail-secure or fail-safe design, and mechanical sequential control.
With microswitches for detection of “locked” (> 90%), “unlocked” (< 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 ☐ Fail-secure
☐ 12 V ☐ 24 V

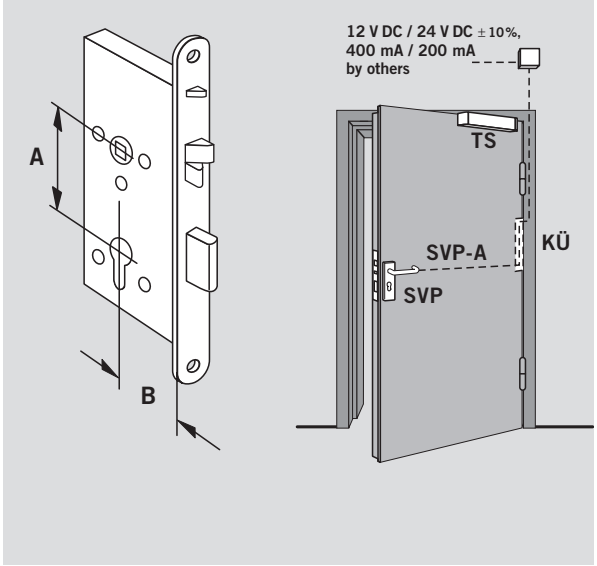
Requisite accessories (to order):
☐ DORMA SVP-A connecting cable
☐ DORMA KÜ/KS cable loop

SVP6xxx

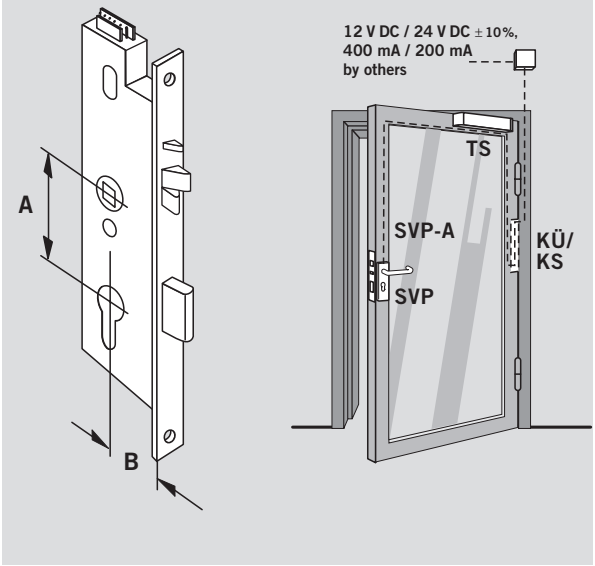


Lever handle permanently engaged in escape direction
Lever handle electrically activated in non-escape direction

SVP 62xx / SVP 63xx



SVP 67xx / SVP 68xx



Cylinder	Follower-to-keyway centres A	Door type	Backset B	Opening direction	Hand-ing	Model	Order No.
Euro-profile cylinder 	72	Over-rebated door Forend: 235 x 20	55	outward	L	SVP 6251	15 **6251** xx
					R	SVP 6252	15 **6252** xx
				inward	L	SVP 6253	15 **6253** xx
					R	SVP 6254	15 **6254** xx
			60	outward	L	SVP 6261	15 **6261** xx
					R	SVP 6262	15 **6262** xx
				inward	L	SVP 6263	15 **6263** xx
					R	SVP 6264	15 **6264** xx
			65	outward	L	SVP 6271	15 **6271** xx
					R	SVP 6272	15 **6272** xx
				inward	L	SVP 6273	15 **6273** xx
					R	SVP 6274	15 **6274** xx
		Flush-closing door Forend: 235 x 24	55	inward	L	SVP 6255/6258	15 **6258** xx
					R	SVP 6256/6257	15 **6257** xx
				outward	L	SVP 6256/6257	15 **6257** xx
					R	SVP 6255/6258	15 **6258** xx
			60	inward	L	SVP 6265/6268	15 **6268** xx
					R	SVP 6256/6267	15 **6267** xx
				outward	L	SVP 6266/6267	15 **6267** xx
					R	SVP 6265/6268	15 **6268** xx
			65	inward	L	SVP 6275/6278	15 **6278** xx
					R	SVP 6276/6277	15 **6277** xx
				outward	L	SVP 6276/6277	15 **6277** xx
					R	SVP 6275/6278	15 **6278** xx
	92	Metal-framed door Forend: 270 x 24	35	inward	L	SVP 6710	15 **6710** xx
					R	SVP 6719	15 **6719** xx
				outward	L	SVP 6719	15 **6719** xx
					R	SVP 6710	15 **6710** xx
			45	inward	L	SVP 6730	15 **6730** xx
					R	SVP 6739	15 **6739** xx
				outward	L	SVP 6739	15 **6739** xx
					R	SVP 6730	15 **6730** xx
Round cylinder 	74	Over-rebated door Forend: 235 x 20	60	outward	L	SVP 6361	15 **6361** xx
					R	SVP 6362	15 **6362** xx
				inward	L	SVP 6363	15 **6363** xx
					R	SVP 6364	15 **6364** xx
			65	outward	L	SVP 6371	15 **6371** xx
					R	SVP 6372	15 **6372** xx
				inward	L	SVP 6373	15 **6373** xx
					R	SVP 6374	15 **6374** xx
		Flush-closing door Forend: 235 x 24	60	inward	L	SVP 6365/6368	15 **6368** xx
					R	SVP 6366/6367	15 **6367** xx
				outward	L	SVP 6366/6367	15 **6367** xx
					R	SVP 6365/6368	15 **6368** xx
			65	inward	L	SVP 6375/6378	15 **6378** xx
					R	SVP 6376/6377	15 **6377** xx
				outward	L	SVP 6376/6377	15 **6377** xx
					R	SVP 6375/6378	15 **6378** xx
	94	Metal-framed door Forend: 270 x 24	35	inward	L	SVP 6810	15 **6810** xx
					R	SVP 6819	15 **6819** xx
				outward	L	SVP 6819	15 **6819** xx
					R	SVP 6810	15 **6810** xx
			45	inward	L	SVP 6830	15 **6830** xx
					R	SVP 6839	15 **6839** xx
				outward	L	SVP 6839	15 **6839** xx
					R	SVP 6830	15 **6830** xx

Other variants on application

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.

L = DIN-L/LH/ISO 6 R = DIN-R/RH/ISO 5

All dimensions in mm

xx

00 = Fail-secure model 12 V DC

01 = Fail-secure model 24 V DC

50 = Fail-safe model 12 V DC

51 = Fail-safe model 24 V DC

DORMA SVZ 6xxx
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.

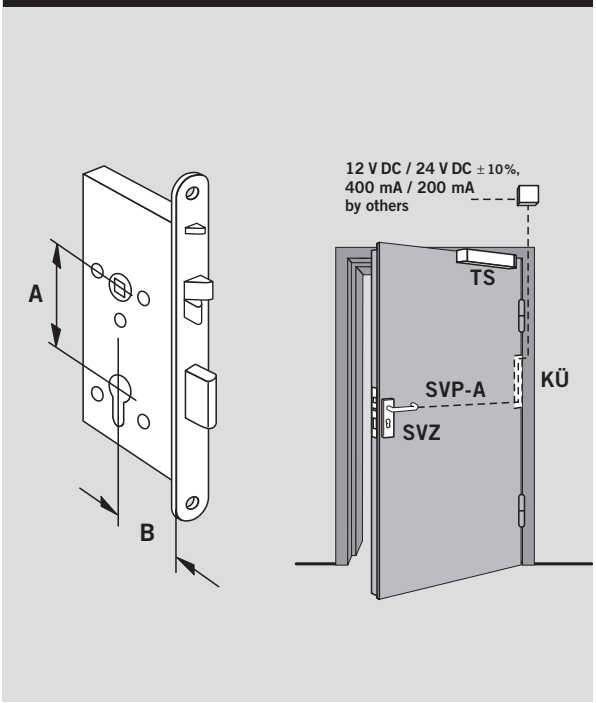
Universal trip latch (24 mm forend types, non-handed).
Unlocking from the outside via key or enabled lever handle.
Steel bolt projection 20 mm. 9 mm single-piece square follower.
Corrosion-protected steel lock case in DIN dimensions, complete with forend and matching strike plate in stainless steel included 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)
Follower-to-keyway centres ... mm
Backset ... mm
Opening direction..., handing ...
☐ Fail-safe ☐ Fail-secure
☐ 12 V ☐ 24 V

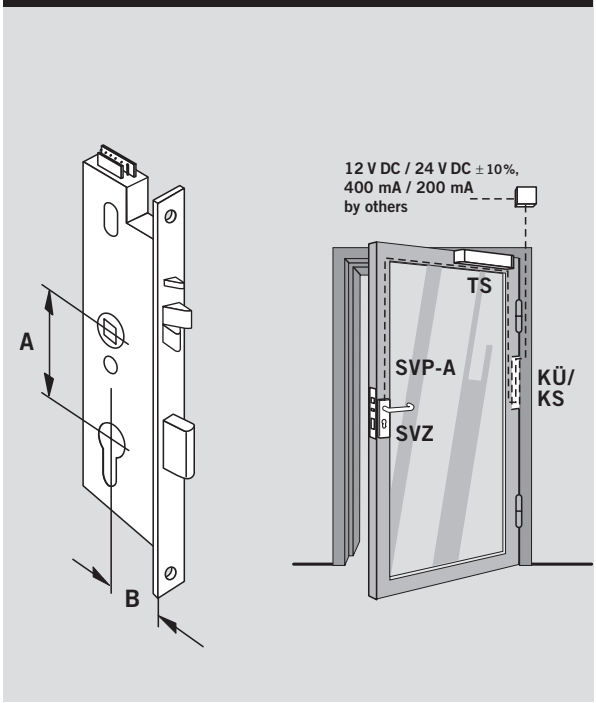
Requisite accessories (to order):
☐ DORMA SVP-A connecting cable
☐ DORMA KÜ/KS cable loop

SVZ6xxx

SVZ 62xx / SVZ 63xx



SVZ 67xx / SVZ 68xx



Cylinder	Follower-to-keyway centres A	Door type	Backset B	Handing	Model	Order No.
Euro-profile cylinder 	72	Over-rebated door Forend: 235 x 20	55	L	SVZ 6251	15 **6251** xx
				R	SVZ 6252	15 **6252** xx
			60	L	SVZ 6261	15 **6261** xx
				R	SVZ 6262	15 **6262** xx
			65	L	SVZ 6271	15 **6271** xx
				R	SVZ 6272	15 **6272** xx
		Flush-closing door Forend: 235 x 24	55	L/R	SVZ 6257/6258	15 **6257** xx
			60	L/R	SVZ 6267/6268	15 **6267** xx
			65	L/R	SVZ 6277/6278	15 **6277** xx
	92	Metal-framed door Forend: 270 x 24	35	L/R	SVZ 6719	15 **6719** xx
			45	L/R	SVZ 6739	15 **6739** xx
Round cylinder 	74	Over-rebated door Forend: 235 x 20	60	L	SVZ 6361	15 **6361** xx
				R	SVZ 6362	15 **6362** xx
			65	L	SVZ 6371	15 **6371** xx
				R	SVZ 6372	15 **6372** xx
		Flush-closing door Forend: 235 x 24	60	L/R	SVZ 6367/6368	15 **6367** xx
			65	L/R	SVZ 6377/6378	15 **6377** xx
	94	Metal-framed door Forend: 270 x 24	35	L/R	SVZ 6819	15 **6819** xx
			45	L/R	SVZ 6839	15 **6839** xx

Other variants on application
L = DIN-L/LH/ISO 6
R = DIN-R/RH/ISO 5
All dimensions in mm

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.

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

SVP-A 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 disengage via GND contact Fail-secure = NO/Fail-safe = NC
ws = white	+ 12 V DC or + 24 V DC (stabilised)
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

Emergency escape motor lock with automatic locking action

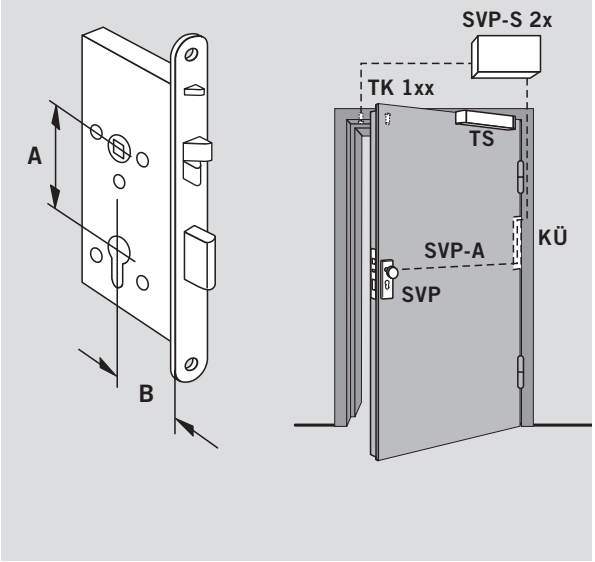
DORMA SVP 2xxx
Emergency escape motor lock with automatic locking action, featuring mechanical and electrical sequential control for operation via external DORMA SVP-S-2x motor lock control. With microswitches for detection of “locked” (> 90%), “unlocked” (< 10% of the deadbolt shoot), “door open/closed” 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 ...

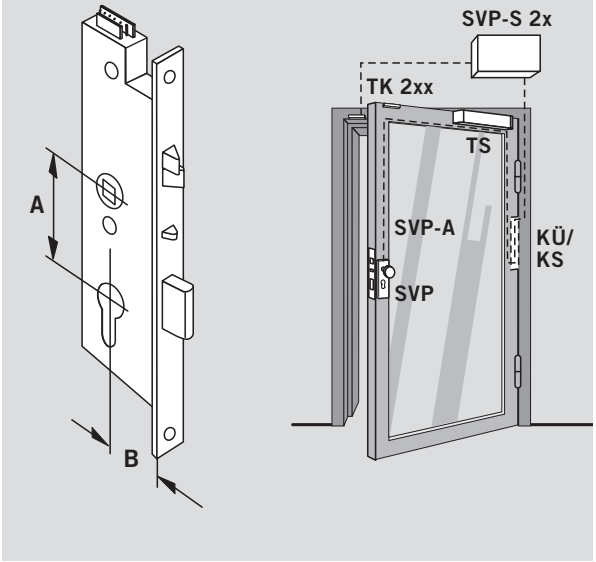
Requisite accessories (to order):
☐ DORMA SVP-S2x motor lock control
☐ DORMA SVP-A connecting cable
☐ DORMA KÜ/KS cable loop
☐ DORMA TK reed door contact

SVP2xxx

SVP 22xx / SVP 23xx



SVP 27xx / SVP 28xx



Cylinder	Follower-to-keyway centres A	Door type	Backset B	Handing	Model	Order No.
Euro-profile cylinder 	72	Over-rebated door Forend: 235 x 20	55	L	SVP 2251	49 **2251** 15
				R	SVP 2252	49 **2252** 15
			60	L	SVP 2261	49 **2261** 15
				R	SVP 2262	49 **2262** 15
			65	L	SVP 2271	49 **2271** 15
				R	SVP 2272	49 **2272** 15
			80	L	SVP 2281	49 **2281** 15
				R	SVP 2282	49 **2282** 15
			100	L	SVP 2291	49 **2291** 15
				R	SVP 2292	49 **2292** 15
		Flush-closing door Forend: 235 x 24	55	L/R	SVP 2257/2258	49 **2257** 15
			60	L/R	SVP 2267/2268	49 **2267** 15
			65	L/R	SVP 2277/2278	49 **2277** 15
	92	Metal-framed door Forend: 270 x 24	35	L/R	SVP 2719	49 **2719** 15
			45	L/R	SVP 2739	49 **2739** 15
Round cylinder 	74	Over-rebated door Forend: 235 x 20	65	L	SVP 2371	49 **2371** 15
				R	SVP 2372	49 **2372** 15
			80	L	SVP 2381	49 **2381** 15
				R	SVP 2382	49 **2382** 15
		Flush-closing door Forend: 235 x 24	65	L/R	SVP 2377/2378	49 **2367** 15
	94	Metal-framed door Forend: 270 x 24	35	L/R	SVP 2819	49 **2819** 15
			45	L/R	SVP 2839	49 **2839** 15

All dimensions in mm
L = DIN-L/LH/ISO 6
R = DIN-R/RH/ISO 5

Automatic-action locks for solid doors also avaible as variants with Order No. 152xxx 00

Automatic-action locks for solid doors also avaible as variants with push bar according to EN 1125

Other variants on application

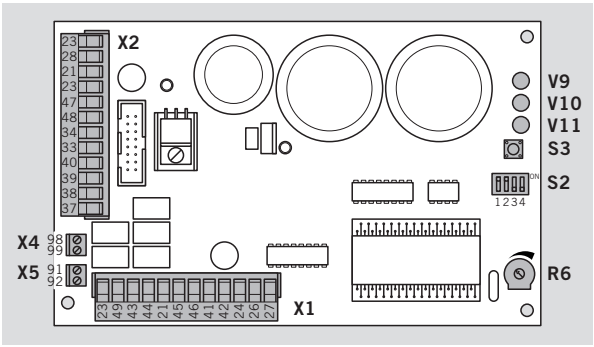
Motor lock controls for operation of the SVP 2000 emergency escape motor lock with automatic locking action.
With unlocking by pulse delivered via floating (no-volt) NO contact; "permanent-open" (disabling of the automatic locking function e.g. for daytime operation), and adjustable re-locking time via potentiometer (1 – 15 seconds). Maximum anti-tamper protection thanks to automatic locking in the event of a power failure. Electric sequential control by external reed door contact incorporated in the trip latch function.

Signals for "unlock/locked", "door open/door closed", "lever handle operation/ emergency unlocking".

Note:
The "Permanent Open" function must not be used in the case of fire and smoke check doors as the latching/locking of the door in the event of fire is not guaranteed.

Technical data

Power supply:	24 V DC / 12 V DC / 12 V AC
Closed-circuit current consumption:	approx. 60 mA
Peak starting current:	≤ 1 A
Contact rating:	12 V DC, 125 mA, 1.5 W
Temperature range:	0° to + 50 °C
Relative humidity:	max. 80 %



Terminal assignment and functions

X1 23	⊥	GND	black (sw)	
49	←		brown (bn)	Internal control function
43	←		pink/grey (rs/gr)	Internal control function
44	←		red (rt)	Internal control function
21	→		white (ws)	+10.5 V DC
45	←		yellow (ge)	Internal control function
46	←		green (gn)	Internal control function
41	→		grey (gr)	Anti-tamper line
42	→		pink (rs)	Anti-tamper line
24	→	NC	red/blue (rt/bl)	"SVP locked"
26	→	NO	blue (bl)	"Lever handle operation"
27	→	C	violet (vi)	"SVP locked" and "lever handle operation"

Floating feedback signals

X2 23	⊥	GND	Control	Pulse causes unlocking in accordance with time lag selected in the control unit. Permanent unlocking as long as contact remains closed.
28	←		Control	
21	←	+/~	24 V DC/12 V AC/DC	Power supply with 24 V DC/12 V AC or 12 V DC, max. peak current = 1 A.
23	←	-/~	24 V DC/12 V AC/DC	
47	←	NC	Door contact	Door monitoring contact (indispensable for functional integrity of the sequential control).
48	←	C	Door contact	
34	→	NO	"SVP unlocked"	Floating feedback signals, e.g.: for connection to DORMA TG/TE control panel.
33	→	C	"SVP unlocked"	
40	→	NC	"Trip latch operated"	
39	→	C	"Trip latch operated"	
38	→	NC	"Door open/closed"	
37	→	C	"Door open/closed"	

X4 98	→	NO	Error signal	Floating feedback signals
99	→	C	Error signal	

X5 91	→	NO	Anti-tamper monitoring	Floating feedback signals
92	→	C		

S2 ON / OFF, 1 2 3 4

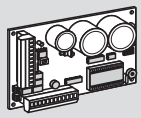
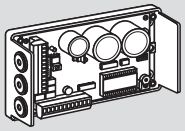
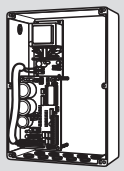
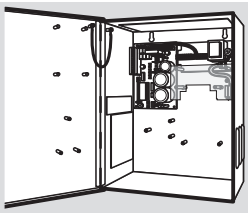
1: "Door open/closed":
ON = Fail-safe principle; OFF = Fail-secure principle
2: "Error signal":
ON = Fail-safe principle; OFF = Fail-secure principle
3: "Anti-tamper monitoring":
ON = Fail-safe principle; OFF = Fail-secure principle
4: ON = Motor locking via TK door contact
OFF = Motor locking by timer control (R6)

S3 Acknowledgement for time-out (deadbolt blocks or continuous running motor)

R6 Unlocking time lag T = 2...1.5 sec.

V9 LED red = Fault → Double flash: Time-out (reset of the display via S3)
Triple flash: Tamper attempt/Forced entry (automatic reset after 3 min).

V10 LED green = Normal operation
V11 LED yellow = Tamper attempt

Specification text	Order No.	
SVP-S Motor lock control unit in the form of an electronic control PCB for the operation of DORMA SVP 2000 emergency escape motor locks. For maximum anti-tamper protection (automatic locking in the event of a power failure, electric sequential control thanks to integration of an external DORMA TK reed door contact in the trip latch function). Adjustable re-locking time via potentiometer (1-15 s), status LEDs for malfunction, tamper attempt and normal operation; functional parameters selectable via DIL switches; unlocking via pulse signal with floating (no-volt) NO contact; permanent open (disabling of the automatic locking function e.g. for daytime operation) as long as the contact remains closed. Signals for “unlocked”, “locked”, “door open/closed”, “lever handle operation/emergency unlocking” available as floating outputs on terminal strip. Terminal strip removable. Power supply data: 24 V DC, 12 V DC or 12 V AC Peak starting current 1 A; closed-circuit current approx. 65 mA; contact rating: 12 V DC, 125 mA, 1.5 W.		
SVP-S 22 PCB for installation in control panels/switchgear cabinets and DORMA RZ 12 emergency escape control units, and also for replacement/system expansion. PCB dimensions (W x H x D): approx. 100 x 160 x 40 mm	1592**22**00 SVP-S2x	
SVP-S 23 Installed in plastic housing, IP 40. Housing dimensions (W x H x D): approx. 190 x 110 x 60 mm	1592**23**00 SVP-S2x	
SVP-S 24 Installed in plastic housing, IP 54, with DORMA RZ-S 01 power supply unit. Power supply data: 230 V AC +/– 10 % Housing dimensions (W x H x D): approx. 300 x 230 x 85 mm	1592**24**00 SVP-S2x	
SVP-S 25 Installed in lockable sheet steel housing (Europrofile half cylinder by others), IP 40, with IRS power supply unit, 12 V AC. Power supply data: 230 V AC +/– 10 % Housing dimensions (W x H x D): approx. 305 x 380 x 115 mm	1592**25**00 SVP-S2x	

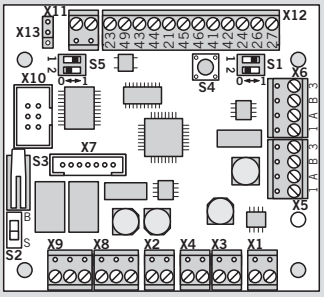
Motor lock controls for operation of the SVP 2000, 4000 and 6000 emergency escape locks with automatic locking action.
With unlocking by pulse delivered via floating (no-volt) NO contact; “permanent open” (disabling of the automatic locking function, e.g. for daytime operation), and adjustment of the 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”.

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.

Technical data

Power supply:	24 V DC, +/– 10% stabilised
Current consumption:	max. 40 mA; with motor current max. 500 mA
Power supply:	12 V DC, +/– 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



Terminal assignment and functions

S1 Microswitch

Switch 1 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 addresses 1 and 2 are 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 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

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

X10 PC/LON interface RS 232

X13 12 V DC - 24 V DC - SVP 6xxx solenoid voltage

X1 Stabilised power supply; +/-10%; 1A

X3 In1
DCW®: Addr. 1: Radar input/ED; Addr. 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 In2
DCW®: Addr. 1: Temporary unlocking; Addr. 2: not used
LON: TK reed door contact

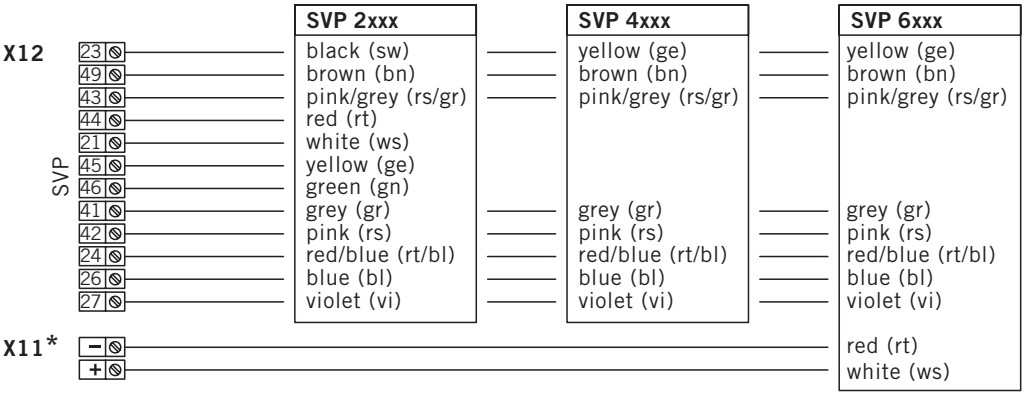
X2 In3
DORMA RM smoke detector (LON mode only)
or ⌋ jumper

X8 NO C NC
DCW®: Addr. 1: Pulse output ED; Addr. 2: not used
LON: Locked/Unlocked

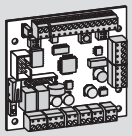
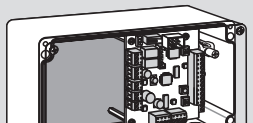
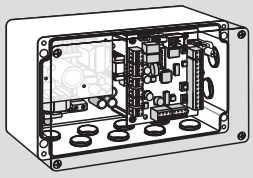
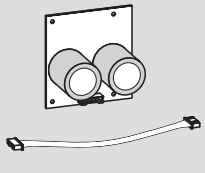
X9 NO C NC
DCW®: Addr. 1: Radar output ED; Addr. 2: not used
LON: Lever handle operated

X5 DCW
3 GND
B Bus
A Bus
1 +24 V DC
DCW® bus

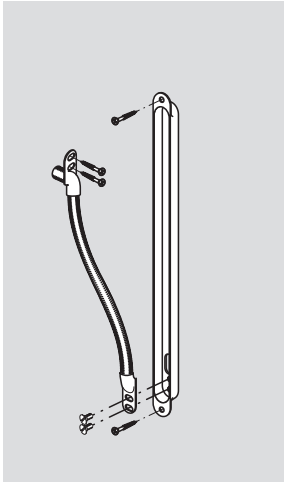
X6 DCW
3 GND
B Bus
A Bus
1 +24 V DC
DCW® bus

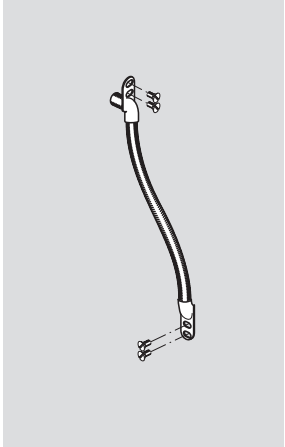


* Default DCW / LON: Arbeitsstromprinzip

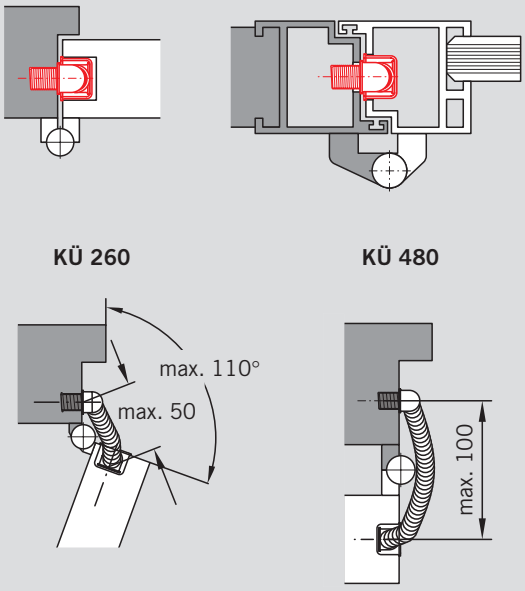
Specification texts	Order No.		
DORMA SVP-S 2x DCW® LON Motor lock control module for SVP 2xxx motor locks. DORMA SVP-S 2x DCW® motor lock control for operation of SVP 2000 emergency escape motor locks. Re-locking time can be parameterised with TMS-Soft software package via integrated RS 232 interface 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			
DORMA 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.	1592**22**02	SVP-S2x	
DORMA 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	1592**23**02	SVP-S2x	
DORMA 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	1592**24**02	SVP-S2x	
DORMA 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	1592**25**02	SVP-S2x	
DORMA SVP-PR 12 power reserve module Supplementary module for ensuring automatic re-locking in the event of a power failure	1592**26**01	SVP-PR12	

Specification text	Order No.
DORMA KÜ 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
☐ 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 KÜ
DORMA KS 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 255 x 15 mm	15817000 KS
☐ 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 370 x 15 mm	15819000 KS

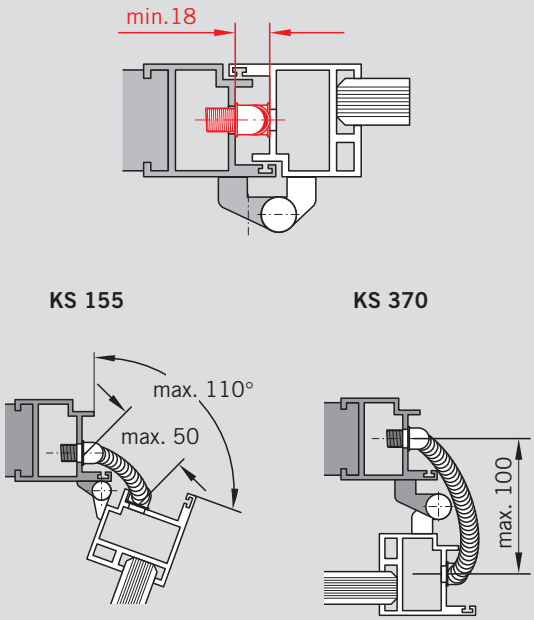


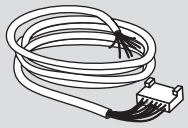
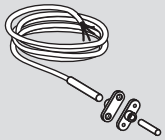
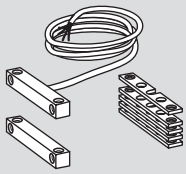
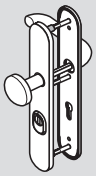
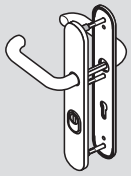
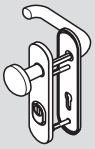


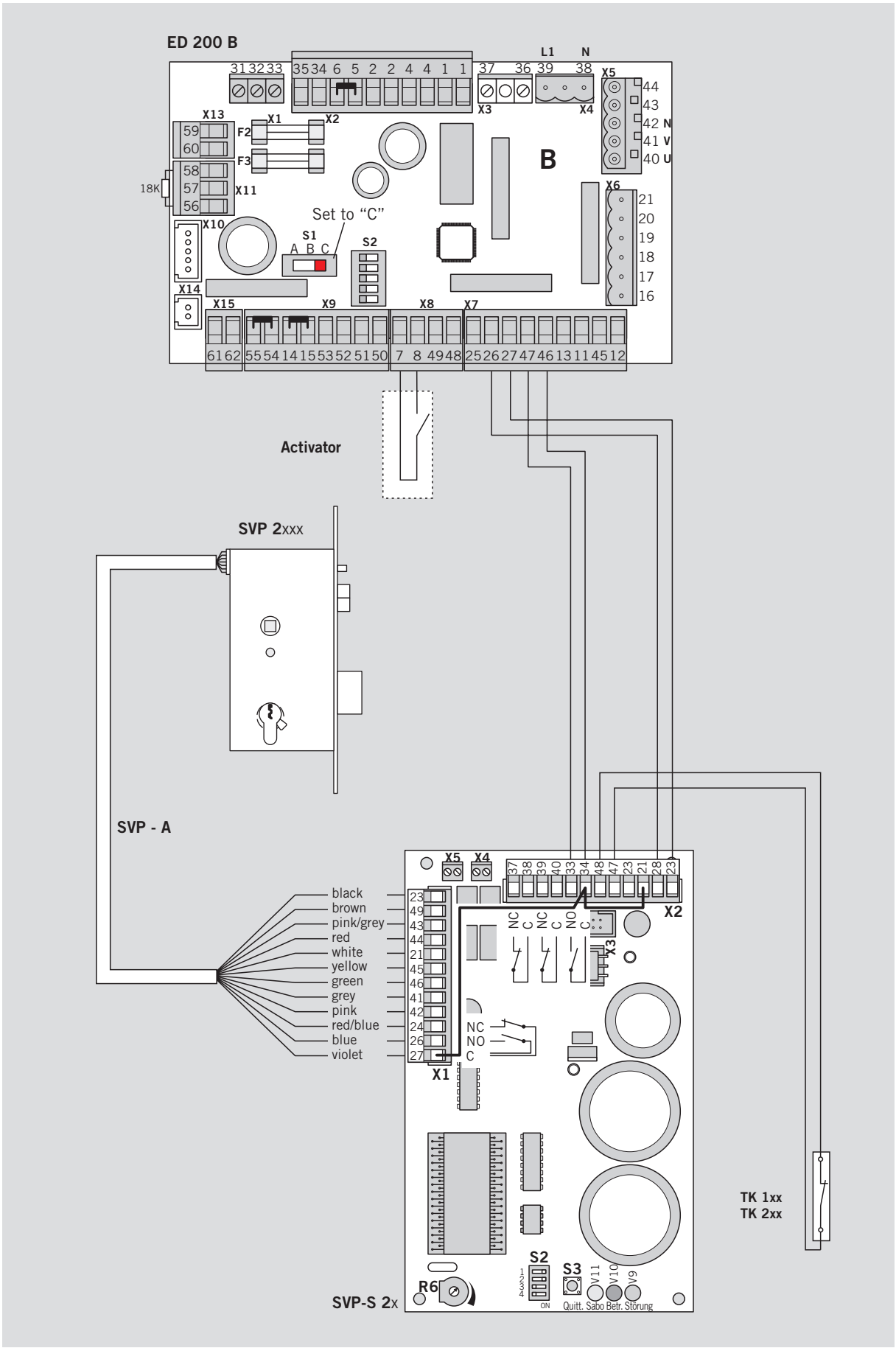
Cable loop KÜ 260/480

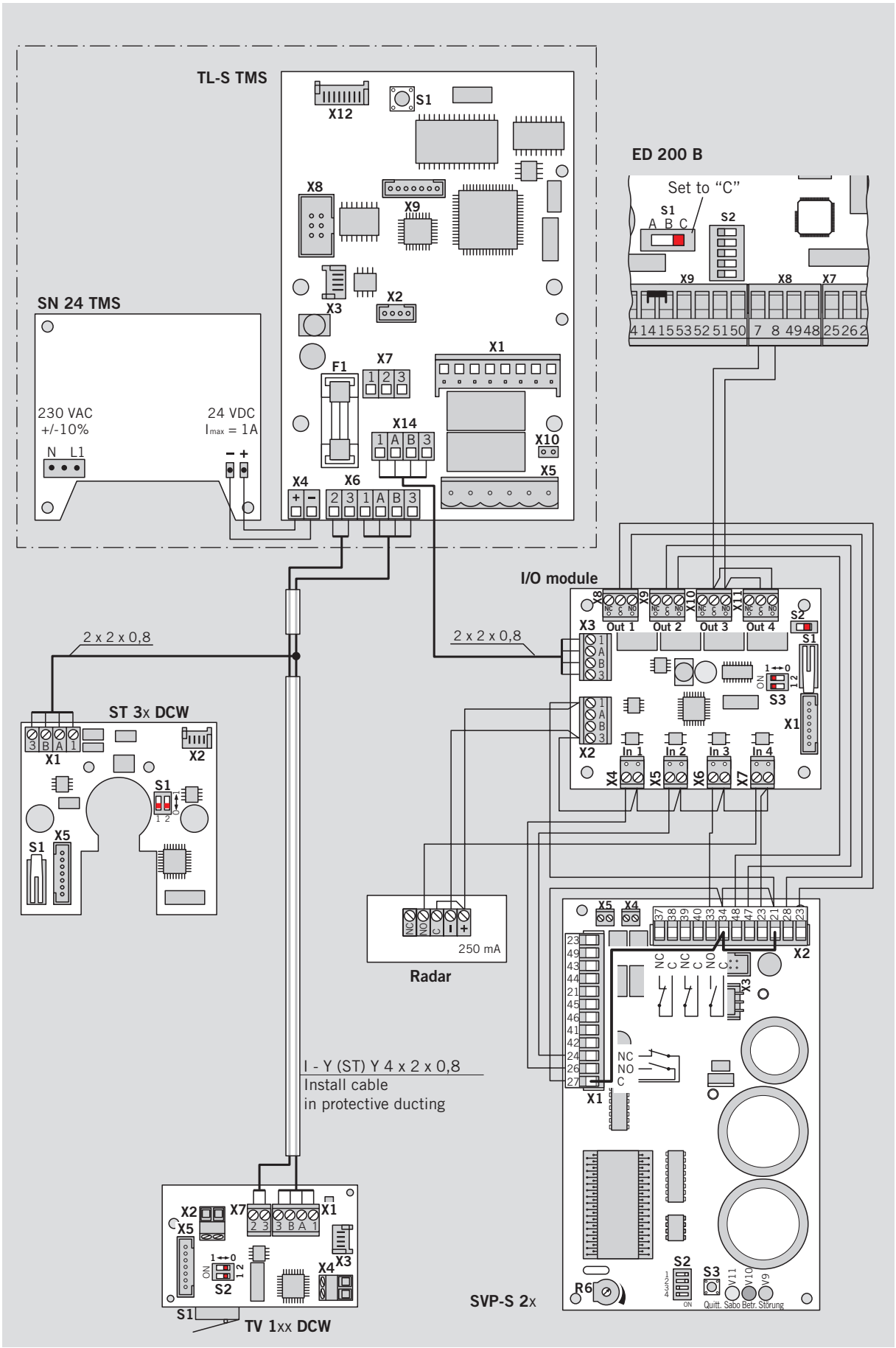


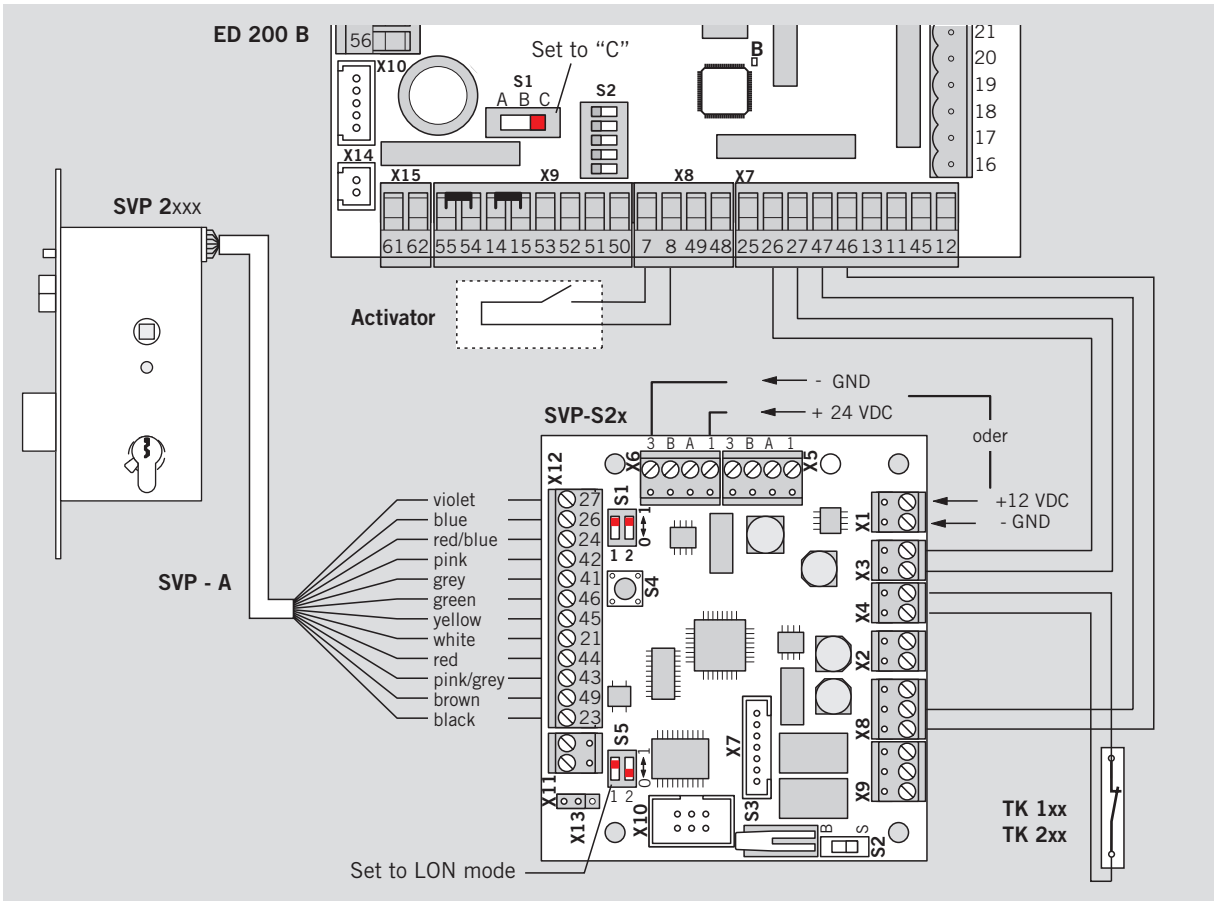
Cable loop KS 155/370

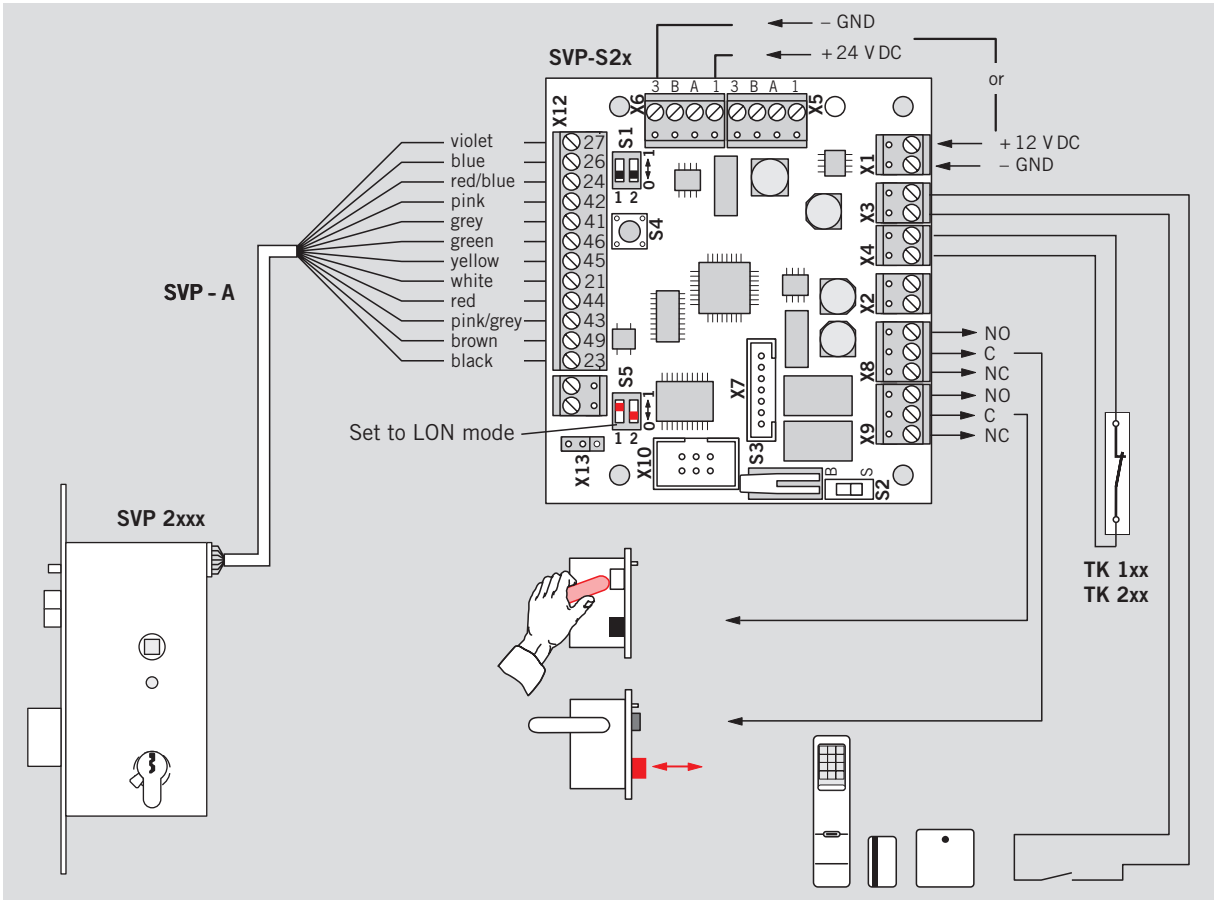


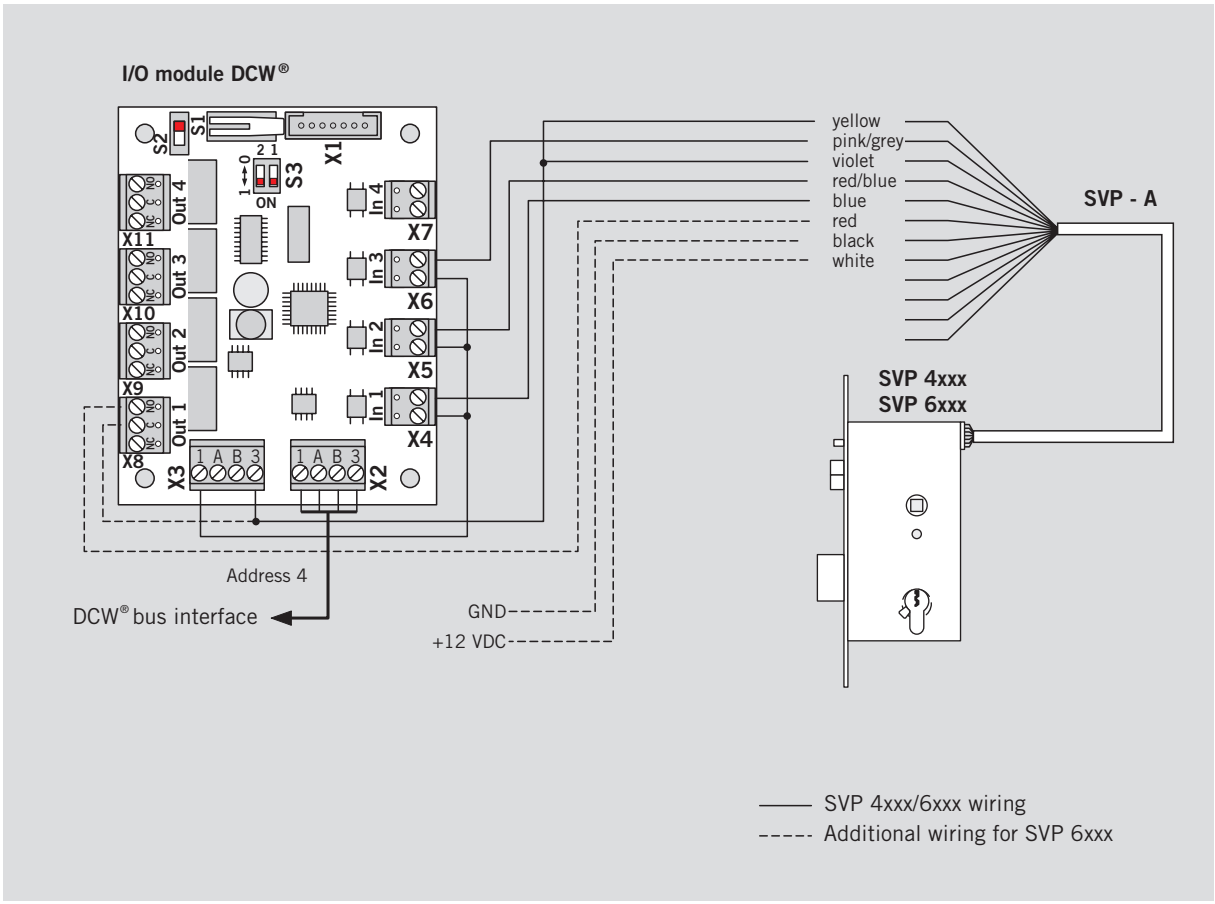
Specification texts	Order No.		
DORMA SVP-A 1000 Connecting cable, 12-core, with plug connector fitted at one end to ensure correct electrical mating with DORMA SVP 4xxx, 6xxx, 2xxx motor and switch-monitored emergency escape locks with automatic locking action.	49932990	SVP-A	
DORMA TK Reed door contact 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	49930**103** 49930**110**	TK	
☐ 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 ☐ TK 203 brown ☐ TK 210 white	49930**203** 49930**210**	TK	
DORMA 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	
DORMA 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	
DORMA 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	
DORMA 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	SVP-SB	
Strike plate SVP-Z xxx ☐ Special Strike plate for Schüco RS 65 SVP-Z 065 ☐ Special strike plate for für Schüco RS 70 SVP-Z 070	49940065 49940070	SVP-Z	

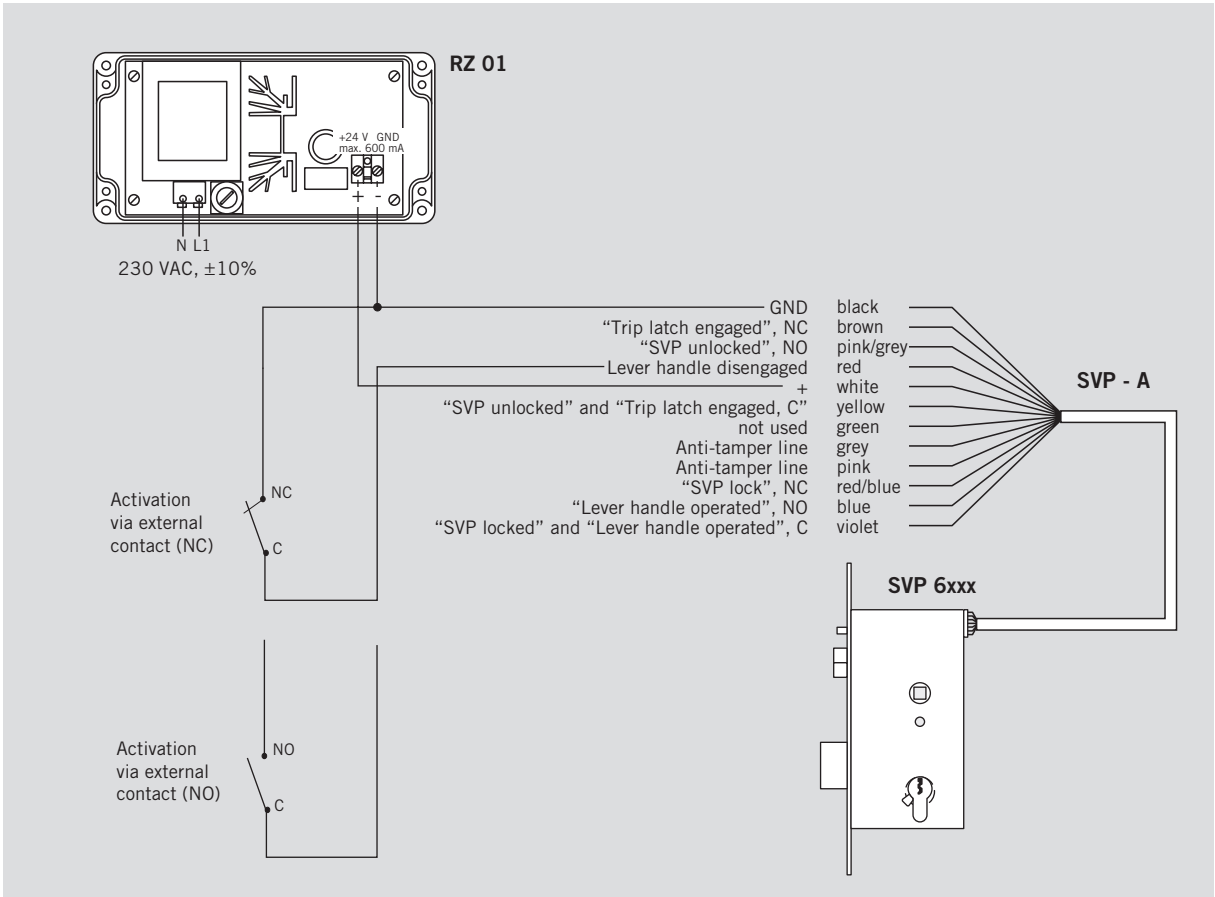

ED 200 B
L1
N
X5
X3
X4
X13
X1
X2
F2
F3
B
18K
X11
X6
Set to "C"
S1
A B C
S2
X10
X14
X15
X9
X8
X7
Activator
SVP 2xxx
SVP - A
black
brown
pink/grey
red
white
yellow
green
grey
pink
red/blue
blue
violet
NC
C
NO
X1
X2
X3
S2
S3
R6
V11
V10
V9
Quitt. Sabo Betr. Störung
SVP-S 2x
TK 1xx
TK 2xx


TL-S TMS
X12
S1
X8
X9
X2
X3
X1
F1
X7
X14
X10
X5
X4
X6
SN 24 TMS
230 VAC
+/-10%
N L1
24 VDC
Imax = 1A
ED 200 B
Set to "C"
S1
A B C
S2
X9
X8
X7
4 14 15 5 3 5 2 5 1 5 0 7 8 4 9 4 8 2 5 2 6 2
I/O module
X8
X9
X10
X11
S2
X3
Out 1
Out 2
Out 3
Out 4
S1
S3
X1
X2
In 1
In 2
In 3
In 4
X4
X5
X6
X7
2 x 2 x 0,8
2 x 2 x 0,8
ST 3x DCW
X1
X2
S1
X5
S1
Radar
250 mA
I - Y (ST) Y 4 x 2 x 0,8
Install cable
in protective ducting
X2
X7
X1
X5
X3
X4
S2
S1
TV 1xx DCW
SVP-S 2x
X5
X4
X2
X1
NC
NO
C
R6
S2
S3
Quitt. Sabo Betr. Störung


ED 200 B
Set to "C"
S1
A B C
S2
X10
X14
X15
X9
X8
X7
B
21
20
19
18
17
16
6162555414155352515 0 7 8 4948 25262747461311451 2
SVP 2xxx
Activator
SVP-S2x
- GND
+ 24 VDC
oder
+12 VDC
- GND
SVP - A
violet
blue
red/blue
pink
grey
green
yellow
white
red
pink/grey
brown
black
Set to LON mode
TK 1xx
TK 2xx


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


I/O module DCW®
S1
S2
S3
X1
X2
X3
X4
X5
X6
X7
X8
X9
X10
X11
Out 1
Out 2
Out 3
Out 4
In 1
In 2
In 3
In 4
ON
1 A B 3
yellow
pink/grey
violet
red/blue
blue
red
black
white
SVP - A
SVP 4xxx
SVP 6xxx
Address 4
DCW® bus interface
GND
+12 VDC
SVP 4xxx/6xxx wiring
Additional wiring for SVP 6xxx


RZ 01
+24 V GND
max. 600 mA
+ -
N L1
230 VAC, ±10%
GND
"Trip latch engaged", NC
"SVP unlocked", NO
Lever handle disengaged
+
"SVP unlocked" and "Trip latch engaged, C"
not used
Anti-tamper line
Anti-tamper line
"SVP lock", NC
"Lever handle operated", NO
"SVP locked" and "Lever handle operated", C
black
brown
pink/grey
red
white
yellow
green
grey
pink
red/blue
blue
violet
SVP - A
SVP 6xxx
Activation
via external
contact (NC)
NC
C
Activation
via external
contact (NO)
NO
C

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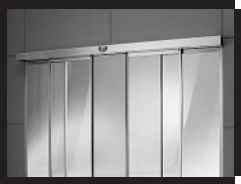
Türtechnik



Automatic

Glasbeschlagtechnik

Sicherungstechnik/
Zeit- und Zutritts-
kontrolle (STA)

Raumtrennsysteme

DORMA GmbH + Co. KG
Breckerfelder Str. 42–48
D-58256 Ennepetal
Tel.: +49 23 33/7 93-0
Fax: +49 23 33/7 93-4 95

The address of a subsidiary/
representation in your area you can
find at the DORMA website:
www.dorma.com

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