



Emergency escape  
motor lock with  
automatic multi-point  
locking

# DORMA M-SVP 2000

## Electro-mechanical multi-point locking – fully automatic, secure and convenient.

With the DORMA M-SVP 2000 multi-point lock, everything is included. All the components have been effectively matched to one another and pre-assembled with the cable terminals and plug connectors already attached. And with all the elements of the system fully integrated within the door, door manufacturers are able to supply a finished electro-mechanical system in which all the functions have been tested for compliance. Locking and unlocking are performed in just a fraction of a second. External unlocking is either by a key operating a profile

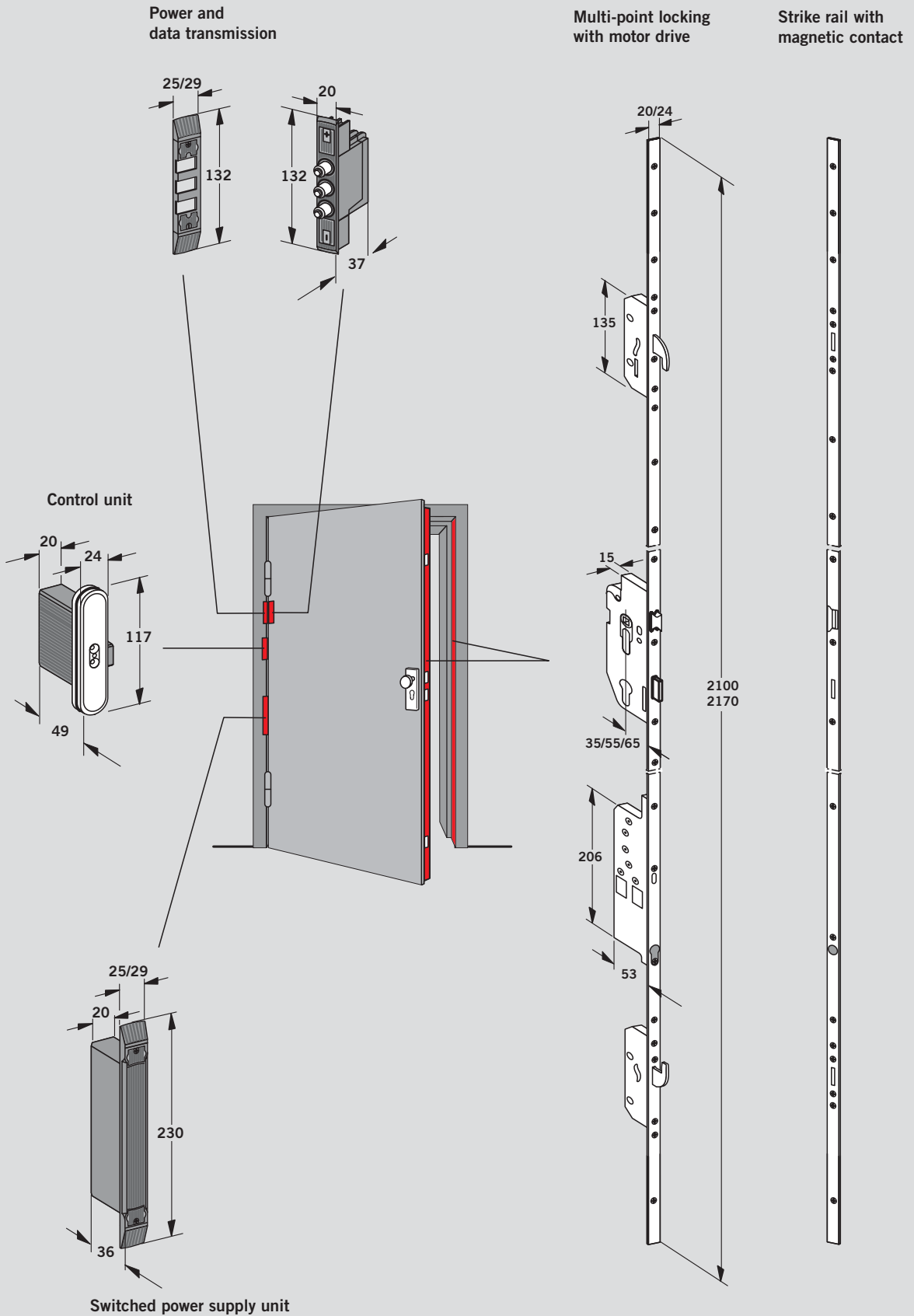
cylinder or, as an optional extra, via an access control system (coded lock, transponders, etc.). Unlocking from the inside is performed either by operating the lever handle or with the key operating the profile cylinder. Here the options include an in-house intercom, wall switch or access control system. The locked and unlocked status is indicated by means of two LEDs on the control unit located on the inside face of the door. In the event of a power failure, the door can be locked and unlocked with the key at any time.

### Benefits and plus points

- All requisite components integrated in the door leaf or frame
- Extremely fast unlocking (approx. 0.5 sec.)
- Locked/unlocked status indicated by LEDs on the control unit
- Inputs for permanent and short-time unlocking
- Daytime latch function
- Opening widths of up to 180° no problem, plus easy hanging and removal of the door due to absence of cable loop
- Equipment packages available to suit specific door profile systems

| Data and features                                      | M-SVP 2000                             |
|--|--|
| 3-point locking  | ●                                      |
| Powered locking and unlocking                          | ●                                      |
| Cable-free interconnection between door leaf and frame | ●                                      |
| Compliant with EN 179                                  | ●                                      |
| Compliant with EN 1125                                 | Under preparation                      |
| <b>Switch power supply unit</b>                        |  |
| Type of construction                                   | Sealed                                 |
| Degree of protection                                   | IP 20                                  |
| Protection class                                       | 1                                      |
| Ambient temperature                                    | -20° to +60°C                          |
| Power supply data                                      | 230 VAC<br>50 – 60 Hz                  |
| Input current at 230V AC                               | 0.7 A                                  |
| Starting current                                       | < 15 AP                                |
| Mains buffering at 230V AC                             | > 20 ms                                |
| Surge protection                                       | ●                                      |
| Output voltage   | 12 VDC (SELV)                          |
| Output current 100% duty rating<br>5% duty rating      | 2.0 A<br>3.5 A                         |
| Ripple at 20 MHz band width                            | < 100 mVpp                             |
| Control error  | max. 2%                                |
| Efficiency   | 79%                                    |
| Connection cable, 230V AC                              | 3 m 3 x 0.75 mm <sup>2</sup>           |
| Connection cable, 12V DC                               | 0.3m 2x0.75 mm <sup>2</sup>            |
| Compliant with   | EN 60950<br>EN 50081-2<br>EN 61000-6-1 |
| <b>Control unit</b>                                    |  |
| Degree of protection                                   | IP 20                                  |
| Temperature range                                      | -10° to +50°C                          |
| Power supply   | 12 VDC                                 |
| Locked status indication                               | ●                                      |
| Contact rating of alarm output                         | 125 VAC<br>1 A<br>62 VA                |
| <b>Motor</b>   |  |
| Temperature range                                      | -10° to +50°C                          |
| Power supply   | 12 VDC                                 |
| Signalling via piezo buzzer                            | ●                                      |
| Contact rating, alarm output                           | 60 VDC<br>1 A<br>30 W                  |

M-SVP 2000 components



Terminal assignment and functions



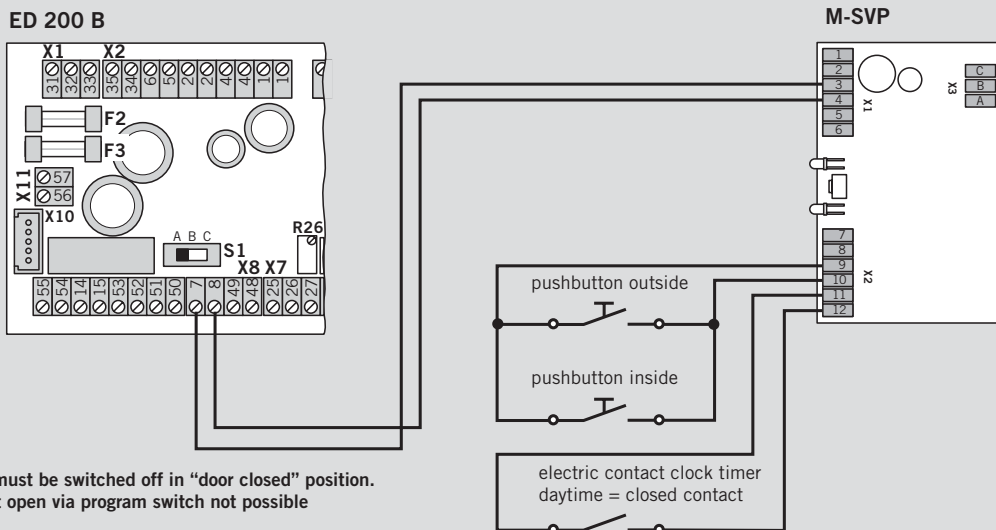
Control unit

- X1**
- 1 ⊥ GND
  - 2 ← +12V DC
  - 3 → Output (N.O.) for activation of electric swing door operator
  - 4 → Output (N.O.) for status interrogation of bolt/door leaf position (alarm system)
  - 5 →
  - 6 →
- X2**
- 7 ⊥
  - 8 ← 6-12V AC or 6-12V DC input, opening signals
  - 9 → Floating input: Momentary signal – Short-time unlocking
  - 10 → Permanent contact – Permanent unlocking
  - 11 → Floating input: Momentary contact – Short-time unlocking
  - 12 ← Permanent contact – Daytime latch function
- X3**
- C ↔ Data
  - B ⊥ GND
  - A → +12V

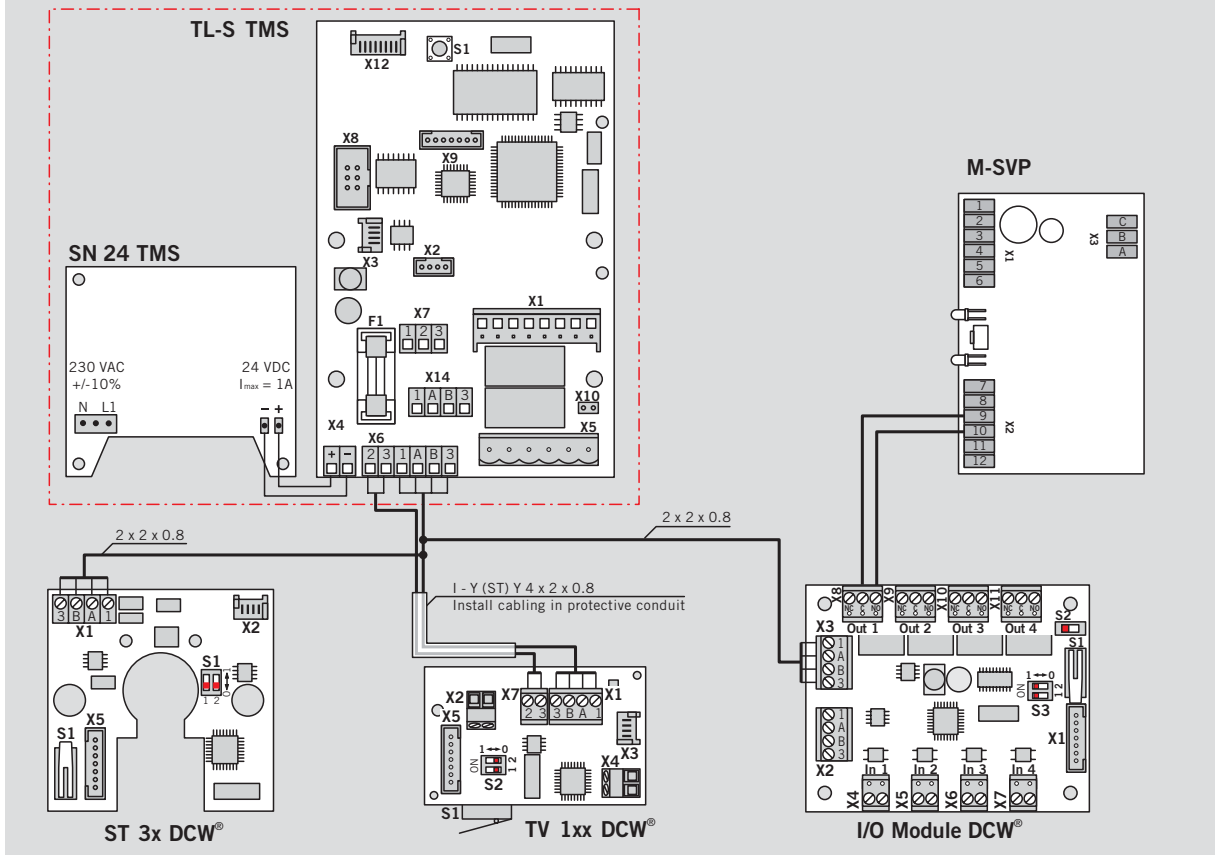
Motor drive

- 7 ←
  - 6 → Connectors 7+5: Non-floating input (signal < 1 sec.)
  - 5 ⊥ Connectors 6+5: 12V DC output, 56 mA
  - 4 ← Connectors 4+5: Floating input (signal < 1 sec.)
  - 3 → +12V
  - 2 ⊥ GND
  - 1 ↔ Data
- Power supply and data cable to motor

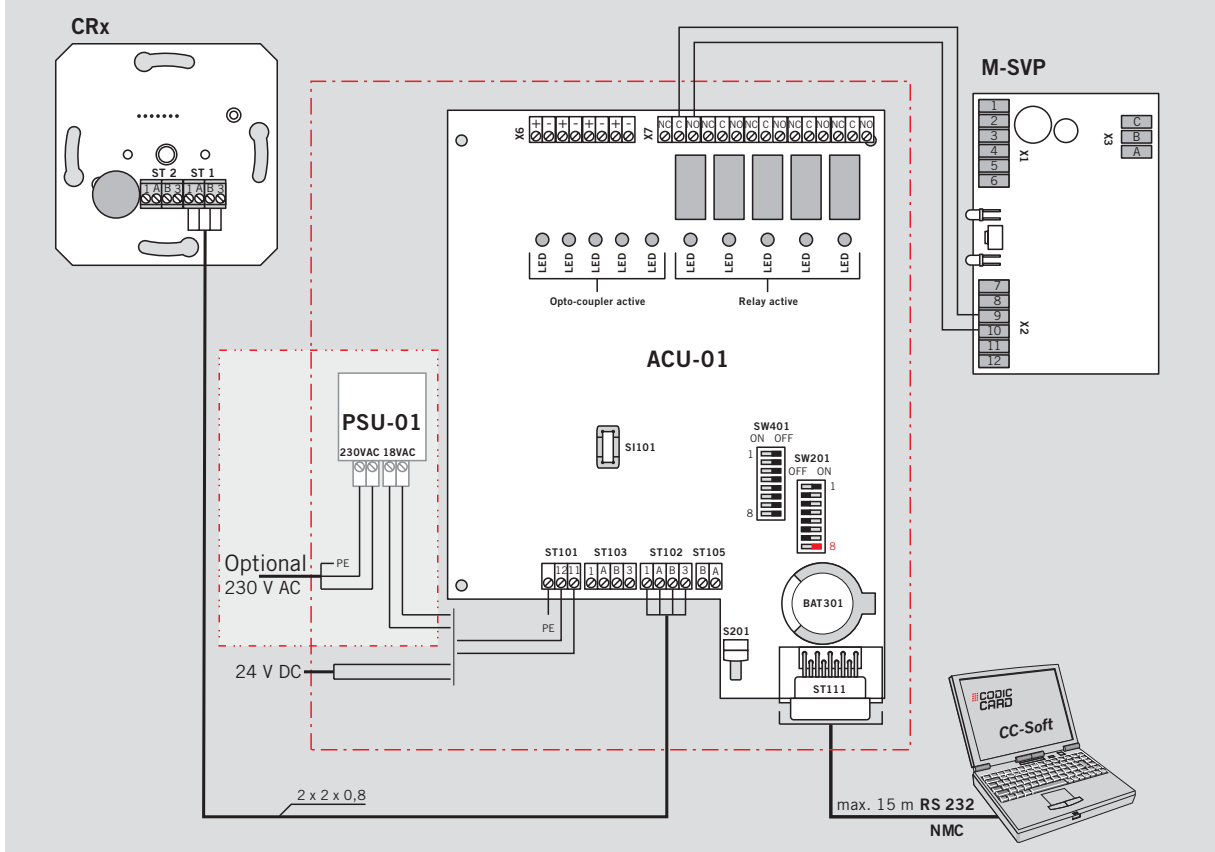
M-SVP 2000 + ED 200 B connection diagram



**M-SVP 2000 + TMS connection diagram**



**M-SVP 2000 + CODIC CARD connection diagram**



## Specification text

**DORMA M-SVP 2000**

Emergency escape lock with automatic locking action, featuring pivot-action steel claw bolts. Motorised locking and unlocking via dual-motor drive unit. Magnetic contact on the strike rail activates automatic locking on closure of the door. The integrated emergency escape function enables the door to be opened at any time from the inside by operation of the lever handle. Plunger-type contacts for cable-free power and data transmission between door leaf and frame. Visual and audible signalling of the lock status. Inputs for short-time and permanent unlocking, and also a day latch function. Floating outputs for door open/close and automatic swing door operator actuation.


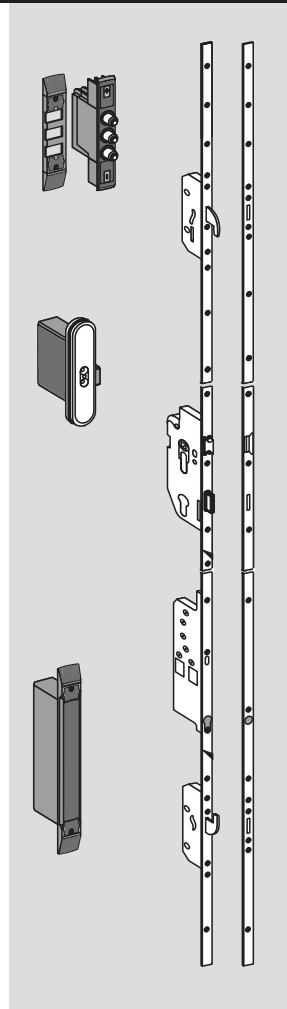
Designs available for both Europrofile (PZ) and round profile (RZ) free-turning cylinders.

Designed for 230V AC power supply.

Certificate of compliance with EN 1179 available. Testing to EN 1125 pending. Certification of suitability for use in smoke check doors and verification of intruder prevention pending (German fire tests)

Equipment packages (see page 7):

Special equipment packages matched to common door construction profile systems and also for timber doors. The equipment packages comprise the lock, strike rail, cables and cable guides, power and data transmission devices, control unit and power supply unit. Installation instructions and routing drawings included.

Order No. 152000x  M-SVP 2000

## Equipment sets for steel and aluminium doors

| Door profile system | F/KW centres | Backset | Forend   | Equipment Set        | Pierced for          | Handing                          | Order No   |
|---------------------|--------------|---------|--|----------------------|----------------------|----------------------------------|--|
| Heroal 082/090      | 92           | 35      | Lock rail: U-Forend<br>Strike rail: U-Forend       | M-SVP 2000<br>UU 6   | PZ<br>PZ<br>RZ<br>RZ | ISO 6<br>ISO 5<br>ISO 6<br>ISO 5 | 15 2000 01<br>15 2000 02<br>15 2000 31<br>15 2000 32 |
| Hueck BSC T30       |              |         |  |                      |                      |                                  |  |
| Schüco Royal RS65   |              |         |  |                      |                      |                                  |  |
| Schüco Royal S65    |              |         |  |                      |                      |                                  |  |
| Schüco Royal S70    |              |         |  |                      |                      |                                  |  |
| Schüco Royal S50N   |              |         |  |                      |                      |                                  |  |
| Heroal 065          | 92           | 35      | Lock rail: U-Forend<br>Strike rail: U-Forend       | M-SVP 2000<br>UU 6,7 | PZ<br>PZ             | ISO 6<br>ISO 5                   | 15 2000 03<br>15 2000 04                             |
| Forster fuego light | 92           | 35      | Lock rail: U-Forend<br>Strike rail: Flat-Forend    | M-SVP 2000<br>UF     | PZ<br>PZ<br>RZ<br>RZ | ISO 6<br>ISO 5<br>ISO 6<br>ISO 5 | 15 2000 05<br>15 2000 06<br>15 2000 35<br>15 2000 36 |
| Forster Presto 60   |              |         |  |                      |                      |                                  |  |
| Heroal 020          |              |         |  |                      |                      |                                  |  |
| Klauke Modell 500   |              |         |  |                      |                      |                                  |  |
| Hueck 1.0           | 92           | 35      | Lock rail: Flat-Forend<br>Strike rail: Flat-Forend | M-SVP 2000<br>FF     | PZ<br>PZ<br>RZ<br>RZ | ISO 6<br>ISO 5<br>ISO 6<br>ISO 5 | 15 2000 07<br>15 2000 08<br>15 2000 37<br>15 2000 38 |
| Jansen Janisol T30  |              |         |  |                      |                      |                                  |  |
| Wicona Wicstyle 65  |              |         |  |                      |                      |                                  |  |
| Wicona Wicstyle 65N |              |         |  |                      |                      |                                  |  |
| Wicona Wicstyle 77  |              |         |  |                      |                      |                                  |  |
| Wicona Wicstyle 65  | 92           | 45      | Lock rail: Flat-Forend<br>Strike rail: Flat-Forend | M-SVP 2000<br>45 FF  | PZ<br>PZ             | ISO 6<br>ISO 5                   | 15 2000 11<br>15 2000 12                             |
| Wicona Wicstyle 65N |              |         |  |                      |                      |                                  |  |
| Wicona Wicstyle 77  |              |         |  |                      |                      |                                  |  |
| Forster therm       | 92           | 40      | Lock rail: U-Forend<br>Strike rail: Flat-Forend    | M-SVP 2000<br>40 UF  | PZ<br>PZ<br>RZ<br>RZ | ISO 6<br>ISO 5<br>ISO 6<br>ISO 5 | 15 2000 09<br>15 2000 10<br>15 2000 39<br>15 2000 40 |

Other profiles/dimensions on application

## Equipment sets for timber doors

| F/KW centres | Backset | Forend     | Equipment set           | Cylinder | Handing        | Order No                 |
|--------------|---------|------------|-------------------------|----------|----------------|--------------------------|
| 72 mm        | 55 mm   | 20 mm flat | M-SVP 2000<br>H 55 / 72 | PZ<br>PZ | ISO 6<br>ISO 5 | 15 2000 21<br>15 2000 22 |
|              | 65 mm   | 20 mm flat | M-SVP 2000<br>H 65 / 72 | PZ<br>PZ | ISO 6<br>ISO 5 | 15 2000 23<br>15 2000 24 |
| 74 mm        | 65 mm   | 20 mm flat | M-SVP 2000<br>H 65 / 74 | RZ<br>RZ | ISO 6<br>ISO 5 | 15 2000 43<br>15 2000 44 |
| 92 mm        | 55 mm   | 20 mm flat | M-SVP 2000<br>H 55 / 92 | PZ<br>PZ | ISO 6<br>ISO 5 | 15 2000 25<br>15 2000 26 |
|              | 65 mm   | 20 mm flat | M-SVP 2000<br>H 65 / 92 | PZ<br>PZ | ISO 6<br>ISO 5 | 15 2000 27<br>15 2000 28 |

Other dimensions/round cylinders on application

### Routing drawings available for download

Routing drawings for the indicated profile systems and timber doors can be downloaded from [msvp.dorma.com](http://msvp.dorma.com)



[www.dorma.com](http://www.dorma.com)



**Door Control**



**Automatic**



**Glass  
Fittings and  
Accessories**



**Security/  
Time and  
Access (STA)**



**Movable  
Walls**

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