

D A T A S H E E T

Burglar-proof automatic sliding door KONE SD BP

General product description:

- **Application;** single or double sliding doors in places with an increased risk of burglary or vandalism
- **Model;** single and double sliding doors with or without fixed side screens
- **Door weight;** single door maximum 180 kg., double door maximum 2 x 120 kg.
Option: single door maximum 270 kg., double door maximum 2 x 180 kg.
- **Dimensions;** see info sheets 1.5391, 1.5392 and 1.5394
- **Door operator;** KONE UniDrive
- **Intelligence;** "Smart door technology"
- **Line Power;** 230V, 50 Hz, 2 Amp, 1 Phase. Nominal power 80 W.
- **Safety;** all safety devices support the safe usage of the door installation and are related to the newest DIN 18650, the Dutch code NEN 5096:1998 class 2 and Dutch police label PKVW. In addition with the Dutch codes and norms, additional local certification may be needed
- **Certification;** the UniDrive operator is TÜV approved and meets all the international (CE) standards for quality and safety.

Characteristics of the door construction:

- **Construction;** sliding doors and fixed screens are equipped with special burglar resistant hardware, locking devices and glass
- **Profiles;** KONE 355 system, KONE 35S U-profile and standard U- and L-profiles
- **Sliding door;** - Vertical profile: profile width 35 mm., profile depth 31 mm. and double profile at the closing edge 87 mm.
 - Horizontal profile: profile height upper side 50 mm., profile depth 31 mm.
profile height lower side 70 mm., profile depth 31 mm.
 - Bottom guide profile (in floor)
 - Special construction at the closing edge and backside of the door to prevent tilting
 - Mechanical pin bar locking with special key, optional with a button and/or Euro cylinders
- **Fixed screen;** - Profiles the same as sliding door
 - On top and at the bottom with standard U-profile
 - At the backside with KONE 35S U-profile
- **Surface treatment;** silver anodized or coated in RAL colour
- **Panel filling;** special burglar resistant glass according to NEN-EN 356 P5A.

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Operating features:

- **Operation;** by means of a program switch, manually operated activators (push buttons / switches), motion detectors, safety sensors, remote control, etc.
- **Program switch;** wireless switch (wall mount), which can be used to change door functions.
 - **Door functions:** automatic, open position, one-way direction, closed (or optional locked), reduced opening width, sequence opening for two doors and reset function
 - Range: 15-35 meter (dependent on environment)
 - Optional: handheld PGS (max. 7 wireless switches can be used for 1 operator) or wired PGS
- **Motion detectors and safety sensors;** radar detectors, infrared (safety) sensors
Connection of max. 4 tested sensors, incl. side panel safety according to standard EN12650
- **External connections;** 4 free programmable inputs and 1 free programmable output, e.g. for fire alarm, entrance control system or external door control.

Safety features (standard):

- **Electronic safety reverse;** highly sensitive reverse settings pre-programmed in the control unit
- **Finger trap safety;** adjustable to avoid fingers getting stuck
- **Photocell safety;** consists of a transmitter and receiver, installed in the door opening.
The control unit tests the function of the photocells prior to every door closing cycle
- **Door speed;** automatically adjusted to a safe level based on the door weight and resistance of the door in conformity with safety standards
- **Power Failure;** in the event of a power failure all settings are stored in the computer and the door operates as a manual door (if the door is not locked).

Options:

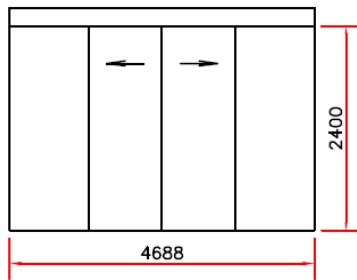
- **Battery back up;**
 - **Battery pack;** battery (12V / 0,8 Ah), for 1 time opening of the door in case of power failure.
 - **Battery unit;** unit with 3 batteries (12V / 0,8Ah), takes over all door functions temporarily in case of power failure
- **Locking;** electric lock, mono-stabile or bi-stabile, powerless locked or unlocked.
Please note: burglar-proof doors are always mechanically locked with a pin bar
- **Manual emergency release;** to release an electrical lock manually. Mounted in the cover or on the wall
- **Night switch;** for opening the door 1 time (with a burglar-proof key switch outside and/or a push button inside) when the door is electrically locked
- **Locking of program switch;** key switch with Euro cylinder to lock the program switch in order to prevent unauthorized use
- **Extension unit;** 4 extra inputs and 4 extra outputs
- **Connection to fire alarm installation;** several functions can be programmed. Default setting: automatic mode (photocells inactive). When the battery is empty, the door will close
- **Energy saving;** optional KONE Eco module consist of a temperature meter and optionally a wind meter. The opening width is automatically controlled based on the outside temperature, wind force and people flow, reducing the loss of warm or cool air which results in saving energy. Minimum and maximum temperatures can be programmed. System can also be used in an air lock situation (2 doors with sequence opening).

Automatic burglary-resistant sliding doors and sliding door façades

The dimensions specified are the maximum dimensions.

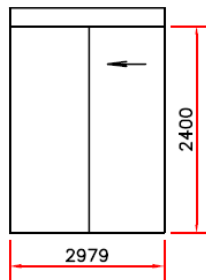
Measurements are given in mm; tolerance is ± 2 mm!

Structural support structure pursuant to Instruction sheet 1.5394.



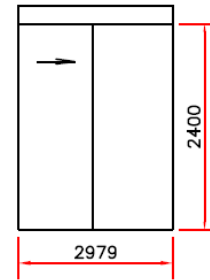
Double sliding door façade

Maximum opening width
2356 x 2400



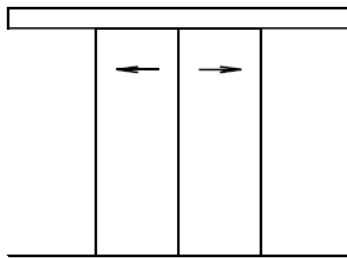
Single sliding door façade LO

Maximum opening width
1469 x 2400



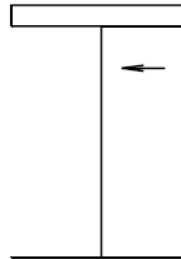
Single sliding door façade RO

Maximum opening width
1469 x 2400



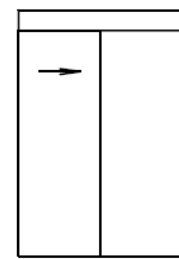
Double sliding door

Maximum opening width
2356 x 2400



Single sliding door LO

Maximum opening width
1469 x 2400



Single sliding door RO

Maximum opening width
1469 x 2400

Tested by SKG: see Certificate ATT'08.11.283.01

Please note: min. and max. width of door and side panel:

Width			
Min.	Max.	Min.	Max.
Door panel DS		Side panel DS	
669 mm	1209 mm	616 mm	1156 mm
Door panel ES		Side panel ES	
1025 mm	1500 mm	974 mm	1500 mm

NEN
5096:1998

P5A glazing pursuant to NEN 5096:2007

Overview of KONE SD BP specifications

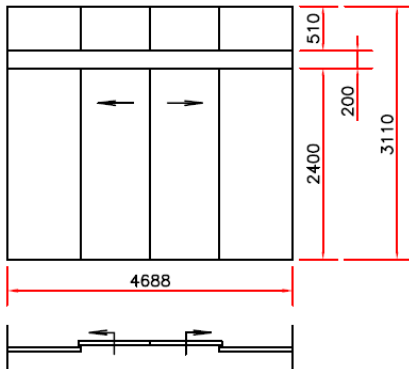
Info sheet no.: 1.5391 rev.a

Automatic burglary-resistant sliding doors and sliding door façades

Self-supporting structure based on KONE reinforcement profile; maximum dimensions.

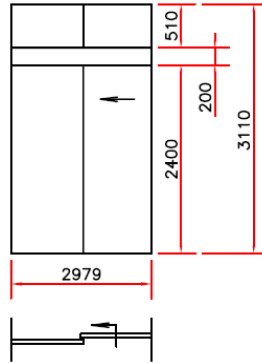
Measurements are given in mm; tolerance is ± 2 mm!

Structural support structure pursuant to Instruction sheet 1.5394.



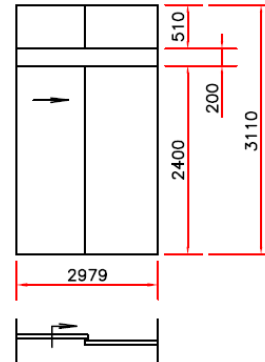
Double sliding door façade

Maximum opening width
2356 x 2400



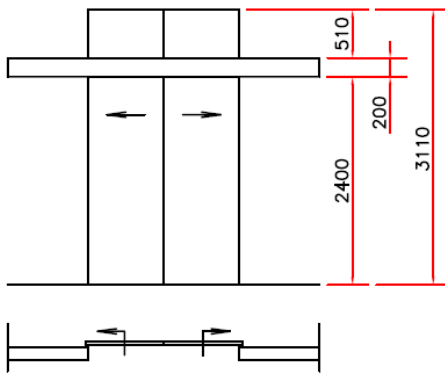
Single sliding door façade LO

Maximum opening width
1469 x 2400



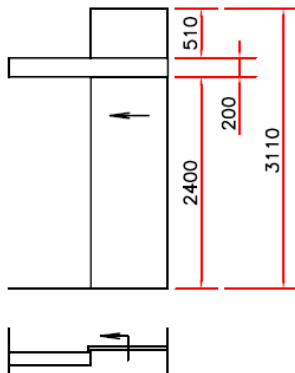
Single sliding door façade RO

Maximum opening width
1469 x 2400



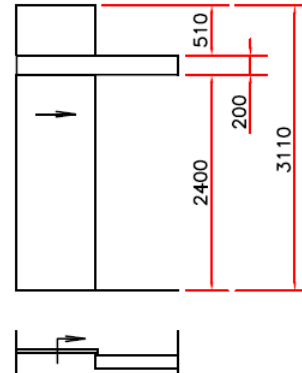
Double sliding door

Maximum opening width
2356 x 2400



Single sliding door LO

Maximum opening width
1469 x 2400



Single sliding door RO

Maximum opening width
1469 x 2400

Tested by SKG: see Certificate ATT'08.11.283.01

Width of fanlight panel = width of underlying door or side panel.
Please note: min. and max. width of door and side panel:

Width			
Min.	Max.	Min.	Max.
Door panel DS		Side panel DS	
669 mm	1209 mm	616 mm	1156 mm
Door panel ES		Side panel ES	
1025 mm	1500 mm	974 mm	1500 mm

**NEN
5096:1998**

P5A glazing pursuant to NEN 5096:2007

Overview of KONE SD BP specifications

Info sheet no.: 1.5392 rev.a

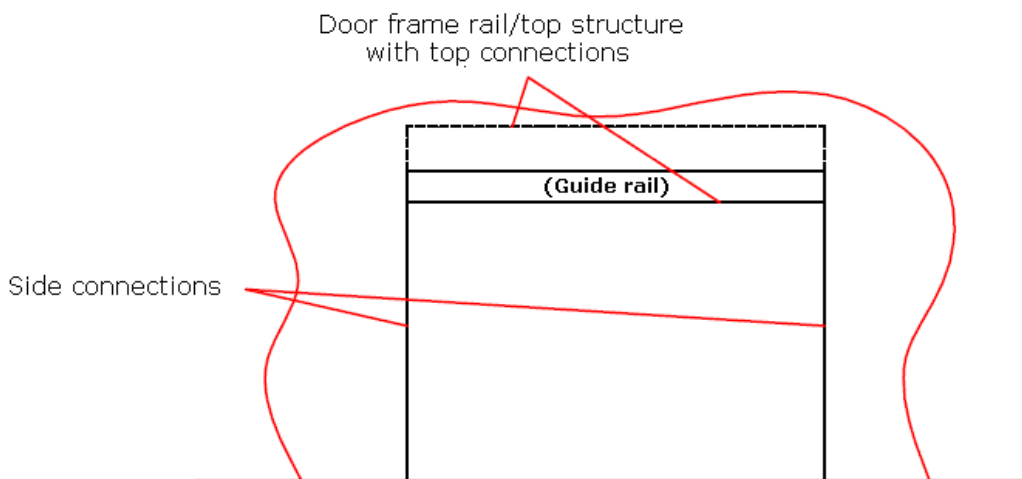
KONE Deursystemen

KONE Deursystemen BV – Accustraat 21 – Veenendaal – Postbus 94
3900 AB Veenendaal – Telephone + 31 (0)318 – 53 23 33 – Fax + 31 (0)318 – 53 23 39

Requirements of the door frame rail/top structure of the façade opening:

In order to prevent the door guide rail from lifting up, the door frame rail and/or top structure of the façade opening, to which the door guide rail is secured, must be fixed vertically at the closing edge and rear edge of the door, or the door frame rail and/or top structure must be supported and fixed vertically at the closing edge and rear edge of the door. This may be achieved with a support to the structural floor above, for example.

When using a self-supporting structure, the same requirement also applies to the door frame rail and/or top structure where the fanlight is fitted against the base.



Requirements of the side and top connections of the façade opening:

In order to prevent backward (perpendicular to the façade) and lateral distortion, the side connections must be sufficiently secure.

The side connections, door frame rail and top structure:

must be suitable to allow the connection profiles to be fixed in all required positions.

Floor: maximum variation 1.5 mm over 1550 mm.

Tested by SKG: see Certificate ATT'08.11.283.01 pursuant to NEN 5096 + ENV 1267.

NEN
5096:1998

The dimensions specified are the maximum dimensions.

P5A glazing pursuant to NEN 5096:2007

Measurements are given in mm; tolerance is ± 2 mm!