

# D A T A S H E E T

## Fire Resistant Sliding Door KONE SD F30 / KONE SD F60

### Product description KONE SD F30 / KONE SD F60

#### General;

- **Application;** single or double sided fire-resistant partition of sliding doors for in- and outside use, minimum 30 or 60 minutes resistance to fire penetration and flashover (WBDBO<sup>1</sup>)  
Single and double doors; straight and telescopic
- **Model;** straight and telescopic sliding doors in single and double models and single telescopic door leaves
- **Dimensions;** maximum width x height of the different models, see drawingpages 1.07.06 and 1.7.07
- **Materials;** all materials in / on the fixed panel, on the sliding doors and on the supporting parts are fire-resistant
- **Certification;** tested by the Centre for Fire Safety at TNO in accordance with the strict European NEN-EN 1634-1 Standards (Netherlands NEN 6069), mentioned in report 2003-CVB-R0230.  
N.B.: the KONE SD F60 meets a fire resistance of 93 minutes and radiation resistance of 101 minutes.

### Features door construction

#### Profile System;

- **Type;** Jansen Standard Profile Series 50, 2 mm wall thickness
- **Vertical profiles;** profile width 60 mm, profile depth 50 mm with rounded corners
- **Horizontal Profiles;** profile height 60 mm, profile depth 50 mm with rounded corners
- **Angle construction;** welded corners
- **Surface;**
  - interior use; blast and coated with 1 layer powder coating in a standard RAL colour
  - exterior use; blast, spray galvanise and coated with 2 layer powder coating in a standard RAL colour
- **Draught prevention;** labyrinth seal, sealed with Promaseal PL, the bottom of the sliding door sealed with Promaseal PL
- **Accessories;** the system is supplied completely with fire retarding seals, installation materials and bottom support
- **Optional;** in-between band, height 60 mm.

#### Panel filling;

- **Glazing;** wet glazing with ceramic strips on both sides, profiles with glass beading on 1 side, sealed on both sides with silicon
- **Type of Glass;** SGG Contraflam Lite 12 mm EW60 double sided fire load capacity, SGG Vetroflam 6 mm EW 30/60 single sided fire load capacity and SGG Vetroflam 13 mm 30/60 double sided fire load capacity
- **Safety;** All types of glass are protected against walk-through.

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<sup>1</sup> Euronorm NEN 6068 Resistance to Fire Penetration and Flashover

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### Features sliding door operator:

- **Intelligence;** “Waldoor® Smart Door Technology”
- **Construction;** aluminium rail 160 mm high, supplied with an integrated running rail and basic unit with a control unit, motor and carriers
- **Suspension system;** per door leaf two 3-dimensional adjustable carriers
- **Carriers;** steel carriers with synthetic rollers and bearings to assure a smooth and noiseless running. Maximum load per carrier is 60 kg.
- **Basic unit;** unit pre-assembled on a basic frame with a DC motor engine in rubber buffers and an adjustable tooth belt
- **Control unit;** pre-assembled on a separate support and consisting of a self monitoring computer, using Fuzzy Logic, programmable opening and closing speed, open time, opening width, several timing functions, manual learning function and obstacle safety reverse
- **Line power;** 230V, 50cs, 6 Amp, 1 phase. Used power: 80 W.
- **Cover;** aluminium in Waldoor® design; silver anodized, mill finished or coated in RAL colour.

### Safety features;

- **Obstacle safety;** standard factory pre-programmed in the control unit
- **Finger trap safety;** adjustable to avoid fingers getting stuck
- **Photo cell safety;** guarded and tested, prior to every door closing cycle. Mounted in the door opening, the control unit tests with every door cycle the function of the photo cells
- **Power failure;** a battery unit offers protection against power failure, for temporary take-over of all the functions at power failure
- **Door speed;** automatically adjusted to a safe level based on the door weight and resistance of the in conformity with the TÜV specifications
- **Locking;** electro mechanical locking in the unit, unlocked if there is no current
- **Connection to fire alarm installation;** possibility to connect with various programmable door functions
- **Fire resistance;** the doors close if there is a fire alarm and/or power failure
- **Power failure;** built in battery unit so that in the case of a power failure the door functions remain intact for some time.

### Other facilities;

- continuous bottom guide can be part of the floor finish
- foamed band for sealing the seams around and between the doors
- wall finishing cement with silicone
- mounted in a structural framework, equivalent to aerated concrete (strength at least 600 kg/m<sup>3</sup>)
- anchoring in accordance with the structural facilities, partly using fire-resistant anchors.