

## DATA SHEET

### Main properties



**Resistance to wind load**  
Class 4 – 5



**Thermal insulation**  
Up to 1.04 W/(m<sup>2</sup>K)



**Acoustic-rated**  
Up to 26 dB



**Resistance to water penetration**  
Class 1



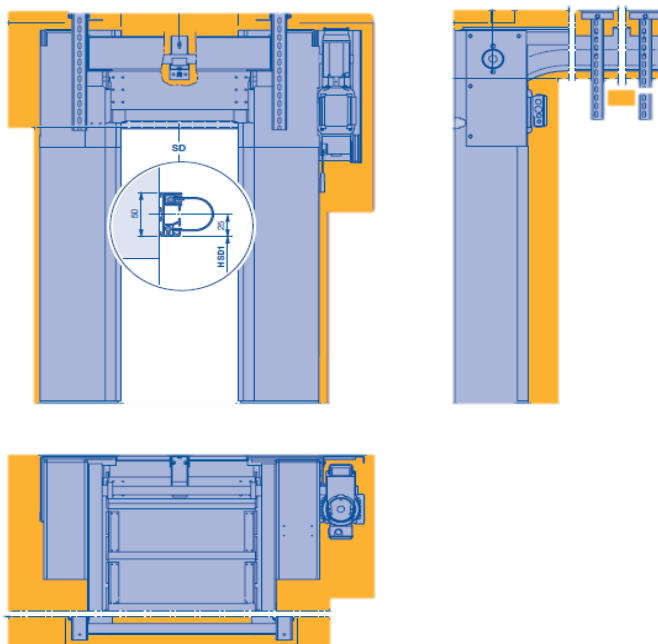
**Air permeability**  
Class 2

The values depend on the configuration of the door.

## HS 5015 PU N 42

### High-speed sectional door with steel sandwich section

You can fit this high-speed sectional door in the lintel if limited space is available. For this low headroom version, 480 mm is sufficient.



#### Gate size

|             |      |    |
|-------------|------|----|
| Max. width  | 5000 | mm |
| Max. height | 6500 | mm |

#### Speed (FU control, 3-phase, AK 500 FUE-1)

|                    |           |       |
|--------------------|-----------|-------|
| Max. opening speed | 1.5 – 2.5 | (m/s) |
| Closing approx.    | 0,5       | (m/s) |

| Product description      |   |
|--------------------------|---|
| Use                      | External / internal door                              |
| Design                   | Non-self-supporting                                   |
| Door leaf                | Steel sandwich sections with thermal break, PU-foamed |
| Depth                    | 42 mm   |
| Section height           | 250 mm  |
| Ventilation grilles      | Ventilation cross-section 54%                         |
| Potential-free contacts  | 3   |
| Door leaf counterbalance | Chain mechanism and springs                           |
| Track application        | Track application N (normal)                          |

| Door leaf               |                             |   |
|-------------------------|-----------------------------|---|
| Exterior surface finish | Micrograin                  | ● |
| Interior surface finish | Stucco                      | ● |
| Standard colour         | RAL 9006                    | ● |
| Optional colour         | Wet coated, RAL to choose   | ○ |
| Aluminium rail windows  | Anodised aluminium E6 / EV1 | ○ |
| Glazing                 | Double synthetic panes      | ○ |
| ThermoFrame             |                             | ○ |

● Standard ○ Optional

| Performance characteristics   |                                | Achievable values |      |
|---|--------------------------------|-------------------|------|
| Resistance to wind load<br>acc. to EN 12424   | Door width ≤ 5000 mm           | Class             | 5    |
|   | Door width > 5000 mm ≤ 6000 mm |                   | 4    |
| Thermal insulation<br>acc. to EN 13241-1, ISO 12567-1<br>Door size 4000 x 4000 mm,<br>without glazing, with ThermoFrame |                                | W/(m²K)           | 1,04 |
| Acoustic insulation<br>acc. to EN 717-1   |                                | R [db]            | 26   |
| Resistance to water penetration<br>acc. to EN 12425   |                                | Class             | 1    |
| Air permeability<br>acc. to EN 12426  |                                | Class             | 2    |

The performance characteristics specified can only be achieved with the corresponding equipment.

| Safety and operator equipment                     |   |   |
|---|---|---|
| <b>Emergency opening</b>                          | Emergency hand chain  | ● |
|   | UPS in plastic cabinet (200 x 400 x 200)<br>for FU control 230 V, 1-phase (up to 9 m <sup>2</sup> on request) | ○ |
| <b>Security features</b>                          | EN 13241.1  | ● |
| <b>Operator and control</b>                       | Frequency converter   | ● |
|   | Connecting voltage, 1-phase, 1 – 230 V, N, PE   | ○ |
|   | Connecting voltage, 3-phase, 3 – 400 V, N, PE   | ● |
|   | Open-Stop-Close button  | ● |
|   | Main switch with all-pole switch-off, 1-phase   | ○ |
|   | Main switch with all-pole switch-off, 3-phase   | ● |
|   | Emergency-off button, 1-phase   | ○ |
|   | Emergency-off button, 3-phase   | ● |
|   | Electronic limit switch DES   | ● |
| Closing zone monitoring, safety grille IP 67      | ●   |   |
| <b>Protection category for operator / control</b> | IP 54 / IP 65   | ● |
| <b>Fuse, 1-phase, 3-phase</b>                     | 16 A, slow-acting   | ● |
| <b>Hold-open phase, in sec.</b>                   | 1 – 200   | ● |
| <b>Control wiring</b>                             | Plug-in   | ● |

● Standard ○ Optional

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