Sentry Automation Ltd

S600

High-speed insulated sectional door

SPRINGLESS DIRECT DRIVE | **40mm INSULATED PANELS** | **UP TO 1.1m/s OPENING**



FAST LOGISTICS ACCESS

Frequency-controlled electric drive opens up to 1.1m/s, depending on door size.

SPRINGLESS SYSTEM

Continuous chain / steel-cable transmission with direct drive, designed for low maintenance.

40mm INSULATED PANELS

Galvanised steel sandwich sections with a CFC-free polyurethane core and Microline finish.

SAFETY AS STANDARD

Finger-pinch protection and IP65 safety light curtain to 2,500mm high.

GLAZING & INSTALLATION

Optional aluminium double-glazed sections; pre-assembled tracks and drive simplify installation.

The S600 combines insulated sectional panels with high-speed operation for openings with intensive logistics movements. Its springless chain / steel-cable system runs in overhead tracks with specially designed rollers. The frequency-controlled drive provides rapid access while perimeter and inter-panel seals help maintain the indoor climate.

5,000 × 5,000mm	Up to 1.1m/s	1.77 W/m²K
Maximum opening / 25m²	Opening; 0.5m/s closing	At 5 × 5m, full insulated-panel door

Supply only • Installation • Repairs • Planned servicing

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S600 / Specification

DIMENSIONS & PERFORMANCE

Maximum width / height	5,000mm / 5,000mm
Maximum area / weight	25m² / 350kg
Opening / closing speed	Up to 1.1 / 0.5m/s
Panel thickness	40mm
Standard section height	366mm
U-value (full ISO panels)	1.77 W/m²K at 5,000 × 5,000mm
Wind load resistance	Class 2-3 to EN 12424
Product conformity	EN 13241

CONSTRUCTION & MATERIALS

40mm horizontal galvanised steel sandwich panels with a CFC-free PUR core and finger-pinch protection. Standard working section height: 366mm.

Overhead Sendzimir-galvanised tracks; vibration-free ball-bearing rollers; galvanised hinges and fittings. Pre-assembled tracks and drive system. Springless continuous chain / steel-cable transmission.

SEALING & FINISHES

Specially developed top and bottom seals, side seals and wind- / water-resistant seals between panels.

Microline finish inside and outside. Polyester-coated exterior in RAL 9002 off-white or RAL 9006 aluminium silver; interior RAL 9002. Other RAL colours optional, excluding fluorescent and traffic colours.

WINDOW SECTIONS

One or more anodised aluminium sections with insulating double glazing can be specified. Confirm the resulting thermal performance for the selected glazing arrangement.

DRIVE & ELECTRICAL

Geared electric motor with frequency converter; drive on the left or right.

Supply: 400V three-phase / N + PE / 50Hz / 16A.
Electric drive protection: IP65.
Standard CEE control box: IP54.
Controls: GfA TS971 / TS981.

SAFETY & OPERATION

Finger-pinch protection and IP65 light curtain to 2,500mm. Interruption opens the door fully until the field is clear; this does not apply while the door is closed. Manual opening is possible during power loss.

Open-stop-close buttons, adjustable hold-open time, service / run modes, seven-segment display, permanently open / closed settings.

SITE & CONNECTION REQUIREMENTS

Technical sheets define structural and dimensional requirements for the chosen installation.

Provide the specified 400V supply sockets for the electric drive and control box within 500mm of their positions, approximately 1,500mm above the floor beside the door. Confirm exact positions and electrical requirements with the installation drawing.

OPTIONS & ACCESSORIES

Push-button, electronic keypad, pull switch, key switch, photocell, radar, induction loop or remote control.

Directly wired IP65 control box / main switch, red / green traffic lights, orange or red beacon, aluminium glazed sections and specified RAL finishes inside and/or outside. Options subject to quotation.

To quote: send opening dimensions, available headroom and side room, site photographs, postcode, power details, expected traffic, glazing and finish requirements.

Based on manufacturer literature dated February 2024. Opening speed depends on door size. Confirm dimensions, weight, thermal performance, wind rating, controls and availability with quotation. Technical changes reserved.

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