

NBS Specification

SLX-M/ PST thermally insulated automatic sliding door system

Tested in accordance to EN 16361 / EN 14351-1 the SLX-M/PST automatic door system consists of thermally insulated Gilgen PST door profiles matched with Gilgen’s SLX-M operator. This combination delivers both an energy efficient and visually appealing solution with low “U” values (1.1-1.8 W/m²k), low air permeability, high wind load capacity and high resistance to driving rain.

Tested for 1 million cycles SLX-M sliding door operators offer proven reliability as well as the integration of a number of technological advancements such as CanBus technology for enhanced operational safety and blue-tooth wireless technology for easier access and control.

The slimline PST door profile delivers a robust thermal barrier combined with a low visible profile suitable for high volume, heavy duty, retail trade, hotels, offices, transport terminals, hospitals, schools, colleges, garden centres and leisure.

All equipment is designed to meet the rigorous safety requirements of BS EN16005, Part M of the Building Regulations and The Equality Act 2010, BS8300:2009. Furthermore equipment is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

Standard details for SLX-M/PST thermally insulated automatic sliding door system

- Product reference SLX-M/PST automatic sliding door system

Product properties

- Door configuration Single sliding, no fixed panel
Single sliding, one fixed panel
Bi parting no fixed side panels
Bi parting two fixed side panels
Bi-parting, two fixed panels and fan light
- Door clearance width 700 mm to 1500mm (Single sliding)
800 mm to 3000mm (Bi parting)
- Door height 2100mm (Standard) to 3000mm
- Finish Anodised (coloured / colourless)
Can be finished to any RAL colour
- Drive operation Standard SLX-M
- Glazing Double glazing: 24-28mm
Triple glazing: 31-38mm
- Control D Bedix hard wired control unit
6 position key switch.
F Key
Kombi D Bedix
- Activation Integration with access control systems
Manual push pad
Motion sensors
Touch-less push pad

- Locking & Security Standard locking system built into drive mechanism
- Door movement guide: Recessed floor track
Surface mounted fixed point guide
- Rear door safety Installation specific please consult manufacturer

As standard

Drive system

SLX-M sliding door drive system integrates Bluetooth wireless control technology and a powerful, near silent drive into a very slender visible profile. System components are connected via a can-bus, which not only guarantees smooth and reliable operation, but also facilitates constant communication with the processor to ensure optimum operational safety.

Safety

To protect pedestrians when entering the door threshold area, intelligent self learning movement and presence sensors are incorporated. These ensure no contact is made with moving door leaves.

- Monitored battery backup provides up to 30 minutes operation in the event of a mains power failure.
- Fire alarm interface connection.

Operation

24V DC motor with microprocessor controller enables extensive options for opening width, electric locking, summer/ winter modes, exit only, manual control, speed of opening and the length of time the door is open.

Door weight

- 1 x 150kg – single sliding doors
- 2 x 150kg - Bi parting doors

Power requirements

230v 13A, neon lit fused spur supply, protected by a 30mA RCD.

Standards

Heat-throughput coefficient:

- U_d value with insulated double glazing: approx. 1.4...1.8W/(m²K)
- U_d value with insulated triple glazing: approx. 1.1...1.6W/(m²K)

Air permeability: PPD2

Driving rain resistance: 5A

Wind-load capacity: PPD 800A, PPD 800B, PPD 700C

Options

Door height

2100–3000mm - Nominal depending upon location and door panel width and weight.

Rear door safety

Options are available subject to installation requirements including;

- Fully glazed barriers
- Fully glazed pocket screens to prevent pedestrians being hit by moving door leaves.
- Rear edge presence sensors for back of door safety (subject to discussions with manufacturer).

Security / Locking

- Optional multipoint locking integrated within the door leaf (manual / automatic)

Control

D Bedix hard wired programming key pad (incorporating digital display screen) designed for installation in a central control panel. Configured for automatic/ manual/ night/ exit/ open door operating modes.

- Portable Bedix wireless control unit designed to enable selection of operating modes (as per D Bedix) and configure parameters. Simple menu based controls. No fixed location required. Password protected
- Kombi D Bedix, push button control (as standard D Bedix) incorporating additional security key to prevent unauthorized access
- F Key: Multi user, compact programmable portable unit enabling restricted personnel access.
- 6 position key switch. Single point door control but with NO fault identification

Operation

Additionally, the door allows for fitting of door position switches, fire or smoke alarm signals, and voice message systems to assist partially sighted people and integrates with access control systems.

Glazing

- Double glazing 24 to 28mm thickness
- Triple glazing 31 to 38mm thickness
- Optional glazed overhead panel

Door movement guide:

- Surface mounted fixed point guide enhances efficiency of door movement
- Recessed floor track, helps further improve door security as well as improved weather sealing and resistance to strong winds and driving rain.

Approvals

- EN16361
- BS EN16005
- DIN18650
- CE
- TUV approved