

NBS Specification

SLX Fire resistant automatic sliding door system

Tested for 1 million cycles SLX 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.

SLX fire resistant bi-parting sliding door system provides convenient, barrier-free access in day-to-day situations, while offering robust flame protection and entry for the emergency services in the event of a fire. Its thermal shield offers protection for more than 30 minutes, thus delaying the spread of fire. If a fire alarm is activated, the automatic sliding fire-door can be opened manually like a conventional swing door in order to provide an emergency exit. Built-in closing mechanisms ensure that the door shuts again to provide a fire barrier once it has performed its emergency-exit function.

All equipment is designed to meet the rigorous safety requirements of Part B of the Building Regulations, BS476 part22:1987, European Standard BSEN 1634-1:2000 and BS 7036:1996 and is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

Standard details for SLX fire resistant automatic sliding door system

- Product reference SLX fire resistant automatic sliding door system

Product properties

- Door configuration Bi parting NO fixed side panels
Bi parting TWO fixed side panels
Bi parting with partial emergency break out (DOORS ONLY)
- Door clearance width 1100 mm to 2000mm
- Door height 2000mm to 2300mm
- Finish Polyester powder coated standard RAL colours
- Drive operation Standard SLX
Standard SLX plus booster
Heavy duty SLX V drive plus dual motors
- Glazing Pyrodur 10 mm - Integrity only
Wire-reinforced glass 7 mm - Integrity only.
Pyrostop 15 mm - Integrity and insulation.
Pyrobel 17 mm - Integrity and insulation.
- Control D Bedix hard wired control unit
6 position key switch.
F Key
Kombi D Bedix
Portable Bedix wireless unit
- Activation Integration with access control systems
Manual push pad
Motion sensors
Touch-less push pad

- Locking & Security installation specific; please consult manufacturer
- Door movement guide: Recessed floor track (NOT suitable if break out required)
Surface mounted fixed point guide
- Rear door safety Installation specific please consult manufacturer

As standard for SLX fire resistant automatic sliding door system

Door profile

73mm thick

Drive system

SLX sliding door drive system integrates Bluetooth wireless control technology and a powerful, near silent drive into a very slender in 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 which allows 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.

Power requirements

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

Options for SLX fire resistant automatic sliding door system

Door panel weight:

- 2 x 120 kg (Standard SLX drive)
- 2 x 150 kg (Standard SLX with booster)
- 2 x 240 kg (SLX V drive with dual motors)

Configuration (break out solutions only):

The bi-parting sliding door system with break out is designed to provide a convenient, barrier free access in day-to-day situations, while guaranteeing a safe exit for occupants and easy entry for emergency services in the event of a fire. Furthermore this solution type offers multi-functional performance. If an incident arises, the sliding doors, which are fitted with hinges, can be opened manually with the same swivel action as a normal door to provide a panic exit for building occupants and access for the emergency services.

Rear door safety

Options are available subject to installation considerations. Please consult the manufacturer. The options available are;

- 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

A key turn manual hook lock (with steel insert in the leading edge for improved security and strength) is included as standard however there are a range of options available such as in head electric locks and multi point locking for added security. Integration with access control systems is also achievable. Please consult manufacturer.

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, voice message systems to assist partially sighted people and integrates with access control systems.

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

- CE
- TUV NORD
- DIN18650-1 and DIN 18650-2 2005 and 2010
- ISO 9001: 2008
- British Standards Institution ,Standard/ Certificate: BS476 part 22: 1987
- British Standards Institution ,Standard/ Certificate: BS EN 1634-1: 2000