

NBS Specification

SLX/ D hermetically sealed 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.

The SLX/D with its unique patented pivot mechanism is the ideal choice where air tight door and hands free access are a priority for guaranteed optimum hygiene or sound proofing. It is particularly suitable for doors in hospitals, operating rooms, laboratories, music rooms, pharmaceutical and food industries to mention but a few.

All equipment is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

Standard details for SLX/ D hermetically sealed automatic sliding door system

- Product reference SLX/ D hermetically sealed automatic sliding door system

Product properties

- Door configuration Single slide left
Single slide right
- Door clearance width 800 mm to 2000mm
- Door height 2100mm to 2400mm
- Finish: Formica high pressure laminate
Polished stainless steel
Perstop in any RAL colour
- Inset window glazing: Installation specific; please consult manufacturer
- X-Ray shielding Not required / Required
- Frame Single made from aluminium profile sections
Double aluminium profile sections with intermediate section to match door wing
- Drive operation Standard SLX/ D
- Control D Bedix hard wired control unit
F Key
Kombi D Bedix
Portable Bedix wireless unit
- Activation Large optical push pad
Motion sensors
Manual door handle

- Safety Intelligent self learning movement and presence sensors to protect the threshold and rear of door areas
- Sound insulation Up to 32dB
- Water resistance IP20 rating

As standard for SLX/ D hermetically sealed automatic sliding door system

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

- Combined presence and activation sensing devices to ensure door opening distances are in accordance with BSEN 16005, doors do not close on pedestrians within the threshold area and provide a signal to the door control system thereby optimising pedestrian safety
- Rear edge sensors (electro sensitive protection equipment ESPE) complying with BSEN 16005 located within the door operator maintain back of door safety and protect pedestrians against crushing edges at the main closing edge
- Failsafe system (battery back- up)that enables up to 30 minutes operation (subject to use) in the event of a mains failure. This fail safe system is automatically tested at least once every 24 hours.
- Fire alarm interface connection enabling door leaves to fail safe to open in the event of an emergency. In compliance with BSEN 16005 door sets with a clear opening width of up to 2000mm open by at least 80% within 3 seconds after activation by the activators in the escape direction (or within 5 seconds in the event of the loss of power.)

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 single phase. Please note a 13A LIVE neon lit fused spur supply, protected by a 30mA RCD MUST be provided by OTHERS prior to installation. In compliance with BSEN 16005 the mains connection must be capable of disconnection to safeguard against unintentional and unauthorised reactivation .

Options for SLX SLX/ D hermetically sealed automatic sliding door system

Door:

Inset window glazing

- 6mm laminated safety glass
- 24mm double glazed
- Windows with UK absorbing foil materials
- Windows with blinds or pressure compensation bars

Control:

- Portable Bedix wireless control unit: Designed to enable selection of operating modes and configure parameters. Simple menu based controls. No fixed location required. Password protected.
- D-Bedix hard wired programming key pad with digital display. Designed for installing a central control panel. Configured or Automatic – Night – Exit – Open door operating modes.
- F Key: Each unit can be programmed to restrict access to areas which normally need to be kept locked.

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.

X-Ray shielding:

With lead insert and special window.

Approvals

- CE approval.
- TUV NORD.
- DIN18650-1 and DIN 18650-2 (2005 and 2010).
- EN 12207 Class 2 Air permeability
- ISO 9001: 2008