

# NBS Specification

## SLX automatic sliding door system

Designed, constructed and installed to satisfy BSEN 16005:2012 Gilgen SLX sliding door operators are tested for 1 million cycles, providing proven reliability. Compliance with other notable UK standards such as Part M & Part B of the building regulations, The Equality Act and BS8300:2009 is also achieved.

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 ensures suitability for a wide variety of applications such as retail trade, hotels, offices, airports, stations, hospitals, schools, colleges, garden centres and leisure.

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

## Standard details for SLX automatic sliding door system

- Product reference SLX 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 with full emergency break-out (doors and glazed screens)
  - Bi-parting with partial emergency break out (doors only)
- Door clearance width
  - 700 mm to 3000mm (Single sliding)
  - 800 mm to 4000mm (Bi parting)
  - 1000mm to 2500mm (Bi parting with break out)
- Door height
  - 2100mm to 3000mm
- Door mid-rail
  - Required Y or N
- Finish
  - Polyester powder coated standard RAL colours
  - Silver anodized
  - Stainless steel cladding, brushed
  - Stainless steel cladding, mirrored
  - Stainless steel cladding, patterned
  - Stainless steel cladding, satin
- Drive operation
  - Standard SLX
  - Standard SLX plus booster
  - Standard SLX drive plus dual motor
  - Heavy duty SLX
  - Heavy duty SLX with booster
  - Heavy duty SLX drive plus dual motor
- Glazing
  - Installation specific please consult manufacturer

- 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
  - installation specific; please consult manufacturer
- Door movement guide:
  - Recessed floor track
  - Surface mounted fixed point guide
- Rear door safety
  - Installation specific please consult manufacturer

## As standard for SLX automatic sliding door system

### Door profile

40mm 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

- 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 automatic sliding door system

#### Door clearance width:

Single sliding

- 700 - 2000mm (standard SLX drive)
- 800 - 3000mm (heavy duty SLX drive)
- 1100 - 3000mm (heavy duty SLX drive with booster)

Bi parting

- 800–3000 mm (standard SLX drive).
- 1000–3000 mm (standard SLX drive plus booster).
- 1100 - 3000mm (standard SLX drive dual motor)
- 1200–4000 mm (heavy duty SLX drive dual motor).
- 1000 - 2500 mm (standard SLX drive with break out)

#### Door height

- 2100–3300mm - Nominal depending upon location and door panel width and weight.

#### Weight:

Single sliding

- 1 x 150kg (standard SLX drive)
- 1 x 240kg (heavy duty SLX drive)
- 1 x 400kg (heavy duty SLX drive with booster)

Bi parting

- 2 x 120 kg (standard SLX drive).
- 2 x 150 kg (standard SLX drive plus booster or dual motor).
- 2 x 240 kg (heavy duty SLX drive dual motor).

#### 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. In compliance with BSEN 16005 door leaves (or door set leaves and side screens) are capable of being broken out from any position in the direction of escape. The total force to release the break out function does not exceed 220 N.

#### Rear door safety

A choice of options are available subject to installation considerations. Please consult the manufacturer. The options available are;

- Firmly secured Solid Glazed Barrier (900mm high) in accordance with BSEN 16005
- Fully Glazed 2.5m high Pocket Screen complying with BSEN 16005

#### 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.

## Glazing

- Single or double glazed with a range of U-values as low as 1.6.
- Tinted glazing.
- For added security glazing complete with bomb blast resistant film can readily be supplied.
- Glazing complete with etched in logos.
- Glazed fan lights.

## 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