



Door Automation

**KABA**<sup>®</sup>

# Automatic sliding door SLX

The moving solution for high-spec entrance needs



# Open the door to your visitors



A welcoming entrance creates a friendly reception, whether in hotels, restaurants, fashion houses and boutiques, wellness and spa facilities or elsewhere.

## **Barrier-free convenience**

Automatic door access offers a better quality of life and convenience for all. In and out. Barrier-free. Busy parents with children in arms, travellers with their suitcases, wheelchair users, persons with walking aids and fully-laden shoppers alike all appreciate the contact-free opening of doors and the freedom of movement that this provides. And just imagine how much more hygienic public toilets would be if hands never came into contact with door handles.

## **Creative design**

Structural specifications with respect to modern and attractive design, colour, translucent elements or customised door sections can all be catered for with Kaba sliding-door systems. The wide range of available designs and functions combine to provide flexible integration into virtually any overall architectural concept.

## **Security**

The feeling of security is reinforced by such organizational functions as locks that engage each time a door is closed, the installation of anti-intruder elements and combinations of access-control

systems designed to restrict entry to authorized persons only, along with door systems that ensure a safe exit in the event of an emergency.

## **Well-being**

The smooth automatic closing of doors cuts off troublesome draughts of air and induces a sense of well-being. An elegant meal in the romantic ambiance of a favourite restaurant is pure enjoyment, safe in the knowledge that the reliable closing of the service door will keep all unwanted noise and kitchen smells out of the well-appointed dining area.

# The universal, multi-function SLX sliding door system



Automatic, obstacle-free doors for areas of high pedestrian traffic, such as shopping centres, administration buildings, hospitals, railway stations, airports, pharmacies, food stores and similar premises.

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**The SLX sliding door system offers the basis for a whole range of possible configurations. The wide selection of different functions allows access to be optimized to match pedestrian traffic flows.**

## **Convenient solutions for all structural situations**

Flexible Kaba door systems allow automatic solutions to be incorporated into any access concept, matched to virtually any type of structural situation. The wide range of available products includes linear, curved and angular configurations, plus telescopic sliding doors – all designed to allow smooth-flowing access.

## **Self-contained or in combination with other components**

When combined with our PSX or PSA profile elements, the SLX door system offers a basis for customized automatic-door operation and solutions tailored to match the individual structural characteristics of the building concerned. The SLX drive system is also ideal for use in combination with standard doors from other suppliers.

**More than just an entrance...**

Optional equipment for extra functionality. These items allow you to meet the need for such features as intruder prevention or use in laboratory clean-rooms. Even heavyweight doors can be automated without problem. Hermetic sliding doors are suitable for use in operating theatres and laboratories, and in the food and pharmaceutical sectors.

**Convenient for everyday use, reliable in an emergency**

Automatic emergency exits and fire- and smoke-proof doors guarantee total convenience for everyday use, coupled with maximum performance and safety in the event of an incident.

**Tried-and-tested for safety**

Our automatic doors meet the most exacting specifications when it comes to quality and safety. Kaba door systems meet all the applicable norms and standards and are TÜV-approved.

# SLX sliding-door technology: the main features



## **Addition of optional items**

Extra functions can be added by the use of system components incorporated on the "plug and play" principle. In the case of components that are not CAN bus-compatible, connection terminals can be provided for such items as pushbuttons, key-operated switches, indicator lights, doorbells and alarms, photoelectric cells, presence sensors and movement detectors.

## **Emergency operation**

If there is a power failure, the (optional) battery pack guarantees interruption-free operation for about 30 minutes.

## **Hinged casing**

The integrated hinged retaining mechanism on the drive casing allows it to be held open for ease of maintenance.

## **Electromechanical locking mechanism with manual release**

The carriage-locking mechanism can be overridden in emergencies by means of the manual release built into the drive casing. This can be installed, for better access, into a wall-mounted element and actuated with a pushbutton or key.

**Reliable technology  
guaranteeing dependable  
opening and closing  
sequences.**

## **The modular, high-power system**

The SLX sliding door drive unit, integrated in a covered drive case, is of modular design. This powerful system can operate even heavyweight doors with smooth, robust efficiency. A special runner-surface with rubber damping helps ensure quiet operation.

## **Intelligent microprocessor control**

The various electronic system components are linked to each other via a communication bus (CAN bus). Working in conjunction with an integrated automatic reversing/stopping mechanism, the microprocessor system guarantees smooth and reliable operation.

# Ideally combined with the ingenious Kaba PSX or PSA system of aluminium profiles



## Multiple advantages

Kaba aluminium-profile systems PSX and PSA allow both the installation of glass and also the use of individual panels made of aluminium or plastic. The specified safety clearances and standards established in DIN 18650 are observed in order to prevent cutting and crushing injuries.

## Flexible integration into the building's architectural features

The wide range of possible configurations allows you to design your doorways virtually at will, for perfect integration into the overall concept of the structure.

## The PSX profile system

### Simple to install in existing buildings

As an extension to standard wall-installation, the rigid frame construction of the PSX system offers a stand-alone solution with the optional addition of a fanlight. The reduction in laborious building-modification work considerably simplifies the task of installing freestanding automatic sliding doors in building frontages.

## The PSA profile system, the slimline solution

The PSA profile system is the ideal solution for narrow-framed glass leaves fitted to one- and two-winged doors. The all-round aluminium frame protects the glass. The high proportion of glass used gives the door leaf a light, translucent feel. The sealing joint and vertically-interlocking profiles help to keep out draughts.

## Door panels and glazing

- Safety glass (ESG, VSC), insulating glass from 6 mm to 24 mm used with PSX profile system, (6 mm, 8 mm or 10 mm with the PSA profile system)
- Panels made of plastic, aluminium, wood

## Additional elements for glass wings

- Raising elements for plinth, covering
- Parapet strip
- Printed or etched glass

## Surface of aluminium profiles

- Colourless or clear-anodized
- Selection of colour-anodized finishes
- RAL colours



Integrated movement and security detection Combi-Scan.

# Program and function settings

## Individual selection of the control elements

### The easy-to-use D-BEDIX control unit

The cable-connected D-BEDIX control unit is extremely user-friendly. Its operating modes can be selected directly. The main door-adjustment settings are carried out simply and easily. The display screen shows operating modes, door positions and diagnostic messages. The keypad can be disabled to prevent unauthorized tampering.

### BEDiX wireless control unit

In addition to managing the various operating modes, this wireless control unit can also be used to adjust the parameters of connected CAN-bus elements, such as movement sensors. The display helps keep operation simple, with its clear icons and logical menu-based controls available in various languages. Operating messages and diagnostic indications are generated as text. A personal password prevents unauthorized access.

### The C-BEDIX programming keypad

This hard-wired programming keypad is designed for installation in a central control panel. It is configured for Automatic – Manual – Night – Exit – Open door operating modes.

### F-Key mini hand-held transmitter

Each F-Key unit can be programmed with a selectable door function. This can allow, for example, contact-free night access outside normal business hours, or access to areas that are normally kept locked.



### Selectable operating modes



**Automatic** The door opens whenever the opening element generates an impulse (summer or winter mode). The system is not locked.



**Night** The system is locked. The command to open can only be generated by the key-operated switch or corresponding F-key device.



**Open** The door opens and stops.



**Manual** The system is released. The sliding wings can be moved manually.



**Exit** The door functions in "one-way" mode, i.e. only one opening element (e.g. the one on the inside) is activated and triggers the door opening. (Shop closing-time mode). The system is locked.

# The latest in sensor technology for door operation and personal safety



## Scan pulse generator protects as it opens

The Combi-Scan with fan-shaped safety scanning area generates the impulse that opens the door, while ensuring the safety of persons and objects in the door area. The scanning safety curtain is self-monitoring to ensure personal safety, and tests itself prior to every door closure. Various features can be configured to match the situation, including obstacle detection, scanning for direction of movement and the filtering-out of passing traffic to prevent unnecessary opening.

## Power limit

The dynamic forces established in DIN 18650 are not exceeded if the opening door wing encounters an obstacle.

## Other pulse generators

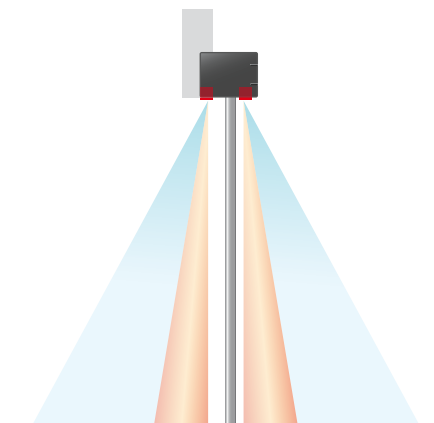
Other control elements can be used to activate the door-opening mechanism. These include mini F-Key hand-held remote devices, push-buttons, contact-free proximity switches, emergency OFF contacts, key-operated switches and access-control systems.

## Putting your safety first

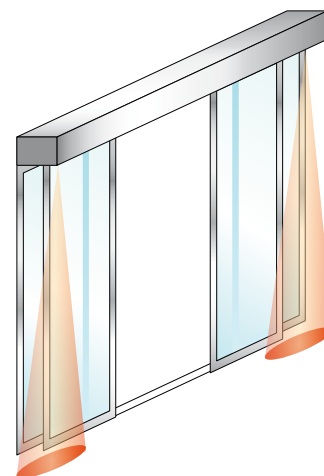
Personal safety is of utmost importance where the operation of automatic doors is concerned. The presence of persons around the door activates its safety elements, preventing closure of the door. Cutting and crushing injuries are prevented by the design engineering. The concept of safe operation also relies on correct installation and commissioning, along with regular inspections and proper maintenance of the system.

## Monitoring of the secondary closing edges during door opening

The Side-Scan system incorporated into the SLX unit is designed for maximum safety around the sides of the door. It prevents fingers and hands from being trapped by the doors as they open. The use of optional protection wings prevents people from depositing objects in this area.



The Combi-Scan door sensor device is fitted to the inside of the drive mechanism. On the opposite side, you can choose whether to fit it to the supporting profile of the drive mechanism, the false ceiling, the wall or the normal ceiling.



You can choose to fit sensors or protection wings to help prevent trapping as the door opens.

# Automatic door systems for emergency exits



The SLX Break-Out door system: Designed to provide convenient automatic access in day-to-day situations, while guaranteeing a safe exit for occupants and easy entry for emergency services in the event of an incident. The total opening system allows the door to be opened across its entire width for the entry or exit of bulky items.

## The multi-functional SLX Break-Out door system

Designed to provide 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: The SLX Break-Out sliding-door system, with its elegant, transparent design, 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.

## Practical full-width opening system

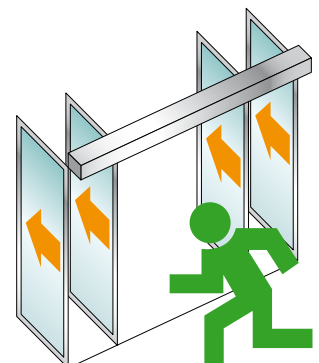
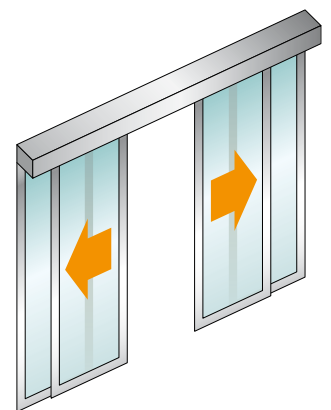
The swivel-action sliding doors and side panels can be moved to the side on hot, sunny days to take full advantage of the width of the doorway. This also allows the easy entry and exit of bulky items or vehicles.

## Redundant automatic doors for escape and rescue ways

Redundant door systems for automatic opening can be supplied with master/slave backup operation. All system components are monitored. This ensures that at least one system is always available to operate the emergency opening mechanism in the event of an alarm being activated. The installation of these backup elements does not affect the outer appearance of the door.

## Emergency opening with rubber cord for escape and rescue ways as per CO 48 (France)

If there is a power failure, the rubber cord opens the door in a one-off operation. You are recommended to use this system in combination with battery backup.



# Reliable smoke and fire screen doors, at the same time an emergency exit

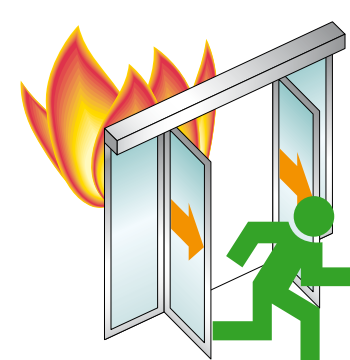
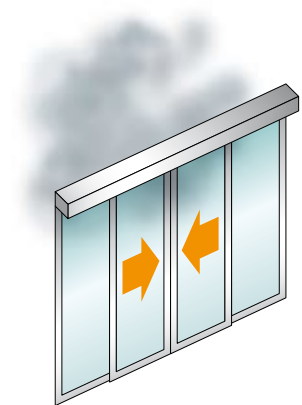
## Smoke-inhibiting automatic sliding door SLM CS<sub>200</sub>

This door lets you enjoy all the usual convenience of an automatic sliding door in day-to-day use. If a smoke alarm is activated, the door closes to prevent the smoke from spreading to the rest of the building. The door can be operated with an emergency open button in the event of an incident. The glass door panels, which are held in place by slim aluminium frame sections, are fitted with special all-round seals. Other applications: The seals provide extra protection from unpleasant smells and noise.



## SLX-SBF automatic fire-door: one system three functions

The Kaba automatic sliding fire-door ensures three functions in one: It 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 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.



**Automatic sliding smoke- and fire-screen doors provide easy contact-free access in day-to-day situations, while preventing the spread of flames and smoke if a fire does break out.**

# Greater safety, despite transparent appearance

## The intruder-resistant automatic sliding door SLM WK2

It looks like a conventional, although elegantly-designed, glass sliding door. However, a series of intruder-resistant components installed in addition to the standard configuration provide a great deal of extra protection. These include a concealed automatic locking mechanism built into the door panel, which is made of reinforced safety glass, and a flush floor guide to help prevent the door from being forced to gain entry to the building.

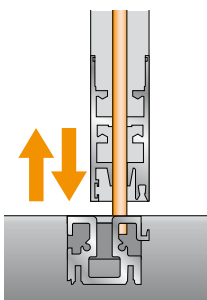
## The multi-point locking mechanism provides extra security

The multi-point locking mechanism ensures fast and reliable locking and unlocking of the door. The locking system, available in both manual and automatic version, is designed to help prevent the door from being forced with a crowbar or similar implement.

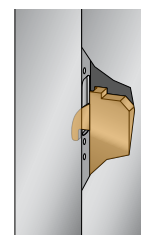


The automatic door with anti-intruder components offers better WK2 protection against forced entry.

Automatic sliding door with multi-point locking mechanism integrated into the door panel.



Embedded floor lock for door wing.



Double interlocking of door panels, built into vertical profile section.



Manual locking/unlocking by means of key or doorknob.

# Hygienic, sealed and functional

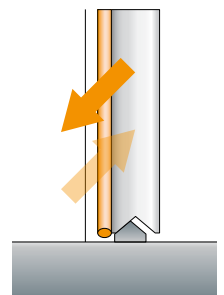


Operating theatres can be hermetically sealed - thanks to the SLX-D door system.

Contact-free opening of these automatic doors avoids the need to touch door handles, thus providing maximum hygiene. This in turn helps minimize the spread of infection in hospitals, laboratories or public toilets.

## **The hermetically-sealed sliding door for use in sensitive areas**

The SLX-D universal drive system is ideal for use in operating theatres, where tightly-shut doors are vital for ensuring maximum air hygiene. Other applications include soundproof access protection for music rooms, meeting rooms and offices.



In the final phase, the door panel lowers into its seal to form a tight closure.

# Range of applications and basic information for SLX drive-system technology

## Range of applications for SLX sliding doors with the PSX profile system

		bi-parting	single-winged	4-winged telescopic	2-winged telescopic
Sliding door SLX	Clearance opening width LW	800–3000 mm	700–2000 mm	1200–4000 mm	1100–3000 mm
	Max. wing weight	2×150 kg	150 kg	4×100 kg	2×150 kg
SLX-V for heavy wings	Clearance opening width	1000–3000 mm	800–3000 mm		
	Max. wing weight	2×240 kg	1×400 kg		
SLX redundant	Clearance opening width	1000–3000 mm	1050–2000 mm	1400–4000 mm	1400–3000 mm
	Max. wing weight	2×120 kg	150 kg	4×60 kg	2×120 kg
	Clearance height	Optimum 2100 mm, possible up to 3000 mm			

## Range of applications for SLX sliding doors with the PSA profile system

		bi-parting	single-winged
Sliding door SLX and SLX redundant	Clearance opening width LB	1000–2500 mm	700–1300 mm
	Max. wing weight	2×100 kg	100 kg
	Max. Clearance height	Optimum 2100, possible up to 2500 mm	

## Options SLX

Escape way door SLX Break-Out	Clearance opening width	1000–2500 mm	
	Max. wing weight	2×120 kg	
	Max. clearance height	2050–3000 mm	
Fire-screen door SLX-SB/SBF	Clearance opening width	1100–2000 mm	700–1300 mm
	Max. wing weight	2×150 kg	1×150 kg
SLX-V-SB/SBF		2×240 kg	1×400 kg
SLX-D hermetic door	Clearance opening width	800–2000 mm	
	Clearance height	optimum 2100, possible up to 2400 mm	
	Max. wing weight	120 kg	

## Options SLM

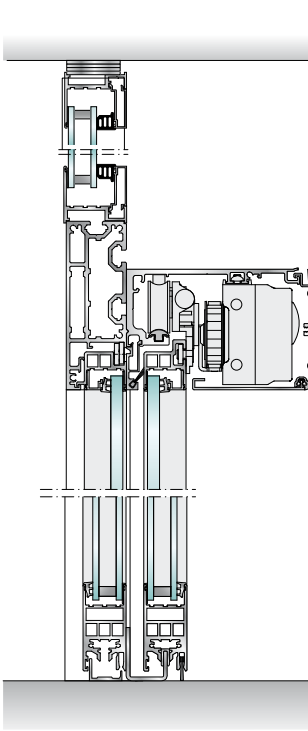
Smoke-screen door SLM CS200	Clearance opening width	1200–2600 mm	800–1400 mm
	Max. weight	optimum 2100–2500 mm max. 3150 mm	
Intruder-resistant door SLM WK2	Clearance opening width	1000–2000 mm	700–1000 mm
	Max. clearance height	2000–2750 mm	2000–2750 mm

## Technical specifications drive system SLX

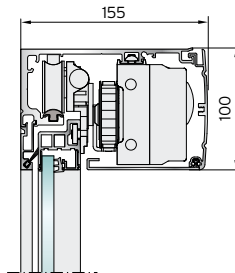
Opening/closing speed	0.03–0.8 m/s
Hold-open time, day: adjustable time until the door closes	0–45 s
Mains power connection	230 VAC, 50 Hz 115 VAC, 60 Hz
Stat. drive power	max. 150 N
Protection rating	IP 23
Control voltage	24 VDC
Power consumption	280 W
Ambient temperature	–15 – +50 °C

# ... and the Kaba PSX or PSA aluminium-profile system

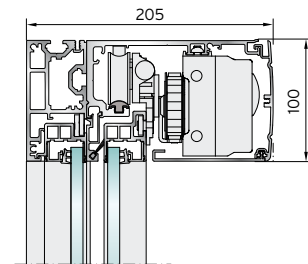
## SLX sliding-door system with PSX profile system



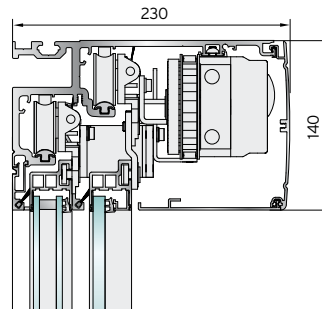
Robust self-supporting frame construction with optional fanlight, for freestanding drive-system installation and easy integration into existing frontages.



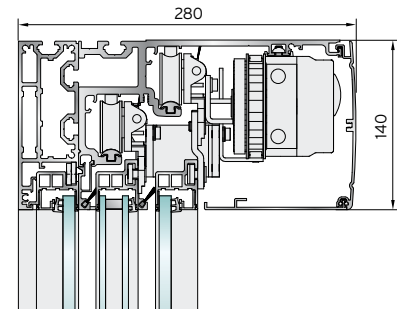
**SLX single-winged and bi-parting:**  
Systems without side panel



**SLX single-winged and bi-parting:**  
Systems with side panel

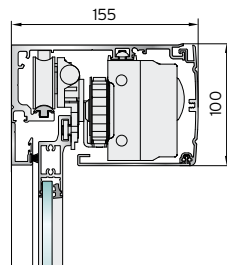
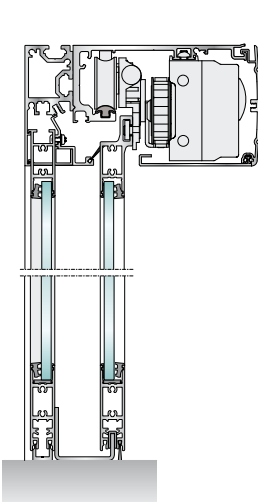


**SLX two- and four-winged, telescopic:**  
Systems without side panel

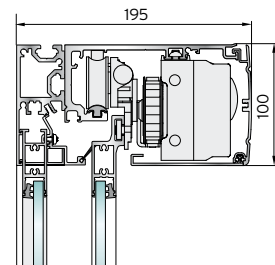


**SLX two- and four-winged, telescopic:**  
Systems with side panel

## SLX sliding-door system with PSA profile system



**SLX single-winged and bi-parting:**  
Systems without side panel



**SLX single-winged and bi-parting:**  
Systems with side panel

Your regional specialist for automatic doors

The logo for KABA, featuring the word "KABA" in a bold, stylized, sans-serif font. The letters are dark blue with a white outline. A registered trademark symbol (®) is located to the upper right of the letter "A".

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