

Automatic sliding door SLA

Innovative. Dynamic. Attractive.



Automatic opening of doors

The automatic, contact-free opening of doors makes our day-to-day lives easier and more convenient. Highly reliable Kaba drive units provide trouble-free access from one room to another. The smooth automatic closing of doors induces a sense of well-being and security. This simple door operator fulfils, in a price-effective way, the structural needs of design and function.

Trouble-free

Whether young or old, able-bodied or disabled, the Kaba automatic unit provides convenient door access for all. Users who require hands-free operation, such as persons encumbered with bags and baggage, appreciate the trouble-free opening and closing of doors.

Contact-free

Just imagine how much more hygienic public toilets would become if hands never came into contact with door handles. The busy parent with a child in arms and a bag full of shopping really appreciates barrier-free access to shops.

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 ambience of a favourite restaurant is pure enjoyment, safe in the knowledge that the reliable closing of the serving door will keep all unwanted noise and kitchen smells out of the dining area.

The sense of security is further enhanced by such freely-configurable management functions as locking after each closing operation or, after an establishment has closed, one-way traffic only.

Design

Structural specifications with respect to modern and attractive design, colour, translucent elements or customised door wings can all be catered for with the simple and cost-effective Kaba door operator.

Automatic doors for convenient access to retail establishments, fast-food restaurants and takeaways, ticket offices, souvenir shops, kiosks and many more locations.















Automatic doors matching the overall architectural design for use in offices, shops-within-shops, baker's and butcher's shops, pubs, bars, cafés, fitness studios and other building-access points.

The SLA sliding-door operator fulfils the concept of reduced-to-the-maximum, without cutting corners where quality and reliability are concerned. With wing weights up to 120 kg, it offers maximum performance at a minimum price.

Wide range of models

The basic configuration offers starterlevel entry to the wide choice of models in the Kaba range of automatic sliding doors. The tried-and-tested SLA operator offers carefully developed functions and user-oriented quality. Easy-to-use technology provides optimum solutions, with an excellent price-to-performance ratio.

Logical layout, easy to install

The compact design of the drive elements permits trouble-free installation in lightweight aluminium cases. Logical operating structures, carefully designed functions and direct access to the corresponding modules simplify the object-oriented assembly process.



Robust and time-saving

The high quality of the components used helps guarantee reliable operation and a long service life. The hinge-type covering is easily secured in place to allow unobstructed access for maintenance. The pre-fitted drive unit requires only minimal installation and set-up time.

User-friendly

All functions are extremely simple to adjust. Adjustment of door-operating characteristics is carried out by means of a potentiometer, and the door operating program is selected using a key-activated switch or the modern control element having push-buttons and display.

Flexible and versatile

The drive unit can be combined both with Kaba wing systems and many other common wing configurations.

Control devices, motion detectors and push-buttons

The appropriate control unit for individual applications

Selectable operating modes		Key-operated program switch	D-Bedix
Automatic	The door opens whenever the ope-	•	
4	ning element generates an impulse.	./	./
\longleftrightarrow	The system is not locked.	V	V
Night	The system is locked. The command		
	to open can only be generated by the	√	√
	key-operated switch.	•	•
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 trig-	-/	-1
	gers the door opening. (Shop closing-	V	V
	time mode). The system is locked.		
Summer - W	inter mode		
	Setting the opening width		
	Switch over between summer and	-	\checkmark
	winter mode		
Adjustable:	Opening speed		
	Closing speed	_	√
	Hold-open time		•
Display of:	Quantity of cycles		
	Software version	_	./
	Error number		V



Key-operated program switch The easy to use control unit



D-Bedix The polyvalent control device

Motion detectors





Push-buttons



It is also possible to connect such additional elements as push-buttons, contact-free proximity switches and emergency stop buttons.

7

Elements for maximum personal protection

Personal protection is of utmost importance where the operation of automatic doors is concerned. Various safety elements prevent the accidental touching of moving door wings. Squeezing and shearing points are avoided by construction measures. The concept of safe operation also relies on correct installation and initial start-up, along with regular inspections and proper maintenance of the system.

Photoelectric barriers and light curtains

Two performance-tested photoelectric barriers, or two security scanners with a fan-shaped operating range, detect persons or objects located in the doorway and prevent the automatic door from closing.

Operation characteristics in the event of a power cut

Systems not equipped with battery power: The door comes to a stop.

Once the power supply is reconnected, the door is recalibrated at adjustment speed, according to the program switch position.

Systems equipped with battery power:
The battery guarantees backup operating power for the door for about
30 minutes. If the battery is discharged, the door opens or closes in accordance with the preset program setting.
Systems with rubber cord (FR CO 48):
If there is a power failure, the rubber cord opens the door automatically. You are recommended to use this system in combination with battery backup.

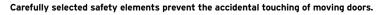
Power limit

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

Tried-and-tested for safety

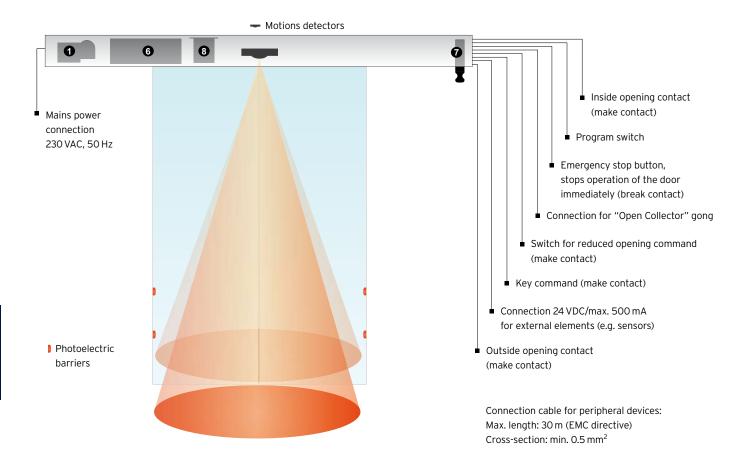
The drive system has been type-approved by the TÜV testing organisation. The automatic door and its specified safety elements fulfil the standards and guidelines established by DIN 18650.

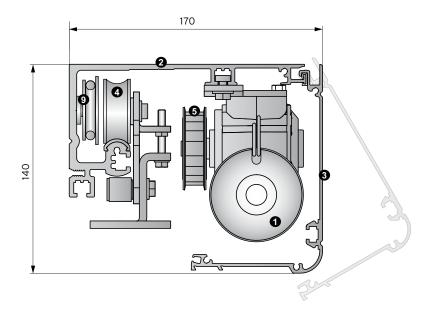






Characteristics of SLA drive-system technology





Drive-system components

- Compact drive unit with electronicallycontrolled door operation, maintenance-free with high performance
- Running profile
- **3 Covering** simple to secure in hinged-up position
- Running carriage with three-dimensional compensation for structural tolerances and adjustable door wing suspension, height adjustment to +/-10 mm, lateral adjustment to +/-15 mm
- Power transmission via toothed belt
- **6** Self-teaching microprocessor control system

Installed in protective housing, with automatic adjustment for optimum dynamic operating performance of door

- Obstacle detection with automatic return mechanism
- Locking pressure: 40 N
- Dynamic power limitation
- LED-type function and error indicators
- Prioritised fulfilment of operating commands
- Weight and path measurement
- Testing of safety and security elements
- · End-point positioning
- · Rubber-cord detection

Simple manual adjustment of the following four functions:

- Closing speed
- · Opening speed
- Hold-open time
- Reduced opening

Selectable default settings with DIL switch

- Sense of rotation
- Activation of locking mechanism
- · Tracking adjustment

Telectromechanical locking mechanism

with manual release. Secures the closed door panels. Can be enhanced with a remote manual release function

Battery pack for emergency operation

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

Wake-up function: Performs one door opening and leaves it open if the battery becomes discharged before power is restored

Emergency opening with rubber cord

If there is a power failure, the built-in rubber cord (France CO 48) opens the door once and leaves it open

Technical specifications

Max. opening speed	0.6 m/s (adjustable)	
Max. closing speed	0.6 m/s (mass-dependent, adjustable)	
Hold-open time, day:		
adjustable time until the door closes	0 – 30 s (adjustable)	
Mains power connection	230 VAC, 50 Hz or 115 VAC, 50/60 Hz	
Stat. drive power	max. 150 N	
Protection rating	For use in dry locations only	
Power consumption	80 W	
Ambient temperature	-15°C to +50°C	

Range of application Max. power of the SLA drive system

Bi-parting	Single-winged
900 3000 mm	700 2000 mm
Optimum 2100 - 2300 mm,	
maximum 2500 mm	
2 x 120 kg	1 x 120 kg
2 x LB + 100 mm	
PSX, PSA	
	900 3000 mm Optimum 2100 - 2300 mm, maximum 2500 mm 2 x 120 kg 2 x LB + 100 mm

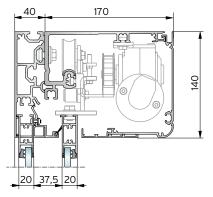
For complete door installations, the application limits depend on the used profile system / glazing

Different wing systems can be combined with the SLA drive unit

The versatile combinations offered by the use of Kaba or standard profile systems allow flexible adaptation to each building's architectural features and perfect integration into any planning concept. The right selection of materials, shapes and colours gives each sliding door its own individual character. Note that all the specified safety clearances and standards established in DIN18650 are observed in order to prevent cutting and crushing injuries.

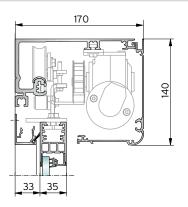
Door wings with Kaba profile systems are fitted with all-round sealing gaskets. These permit the standards-compliant installation of different thicknesses of glass, or the use of fillings such as plastic, wood, aluminium, etc., in accordance with the wishes of the interior designer or building owner.





Kaba PSA

- Including supporting profile and side panels
- Integration of photoelectric barrier
- Incl. sealing gaskets
- For glass measuring 6, 8 or 10 mm in thickness

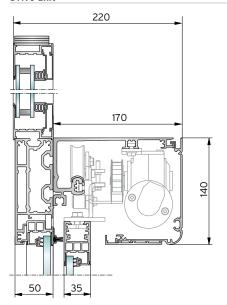


Kaba PSX

- Without supporting profile, without side panels
- Integration of photoelectric barrier
- Incl. sealing gaskets
- For glass measuring from 6-24 mm in thickness
- Filling made of plastic, wood, aluminium, etc.

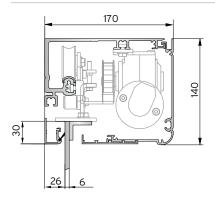
Drive unit

Wing system



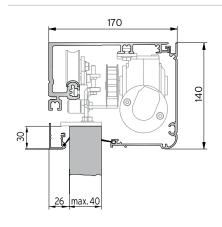
Kaba PSX

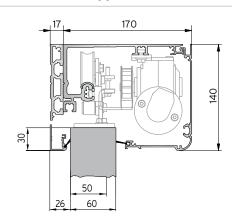
- \bullet Including supporting profile, side panels and fanlight
- Incl. sealing gaskets
- \bullet For glass measuring from 6-24 mm in thickness
- Filling made of plastic, wood, aluminium, etc.



Any product 6-50

- Integration of photoelectric barrier
- With or without sealing gaskets





Any product 20-60

- Integration of photoelectric barrier
- With or without sealing gaskets



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