



Door Automation

**KABA®**

# Automatic sliding door SLA

Innovative. Dynamic. Attractive.



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## 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.**



# The SLA automatic sliding door: High performance at an attractive price



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 starter-level 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
<b>Automatic</b> ↔	The door opens whenever the opening element generates an impulse. The system is not locked.	✓	✓
<b>Night</b> 🔑	The system is locked. The command to open can only be generated by the key-operated switch.	✓	✓
<b>Open</b> ↔	The door opens and stops.	✓	✓
<b>Manual</b> 👤	The system is released. The sliding wings can be moved manually.	✓	✓
<b>Exit</b> ↑	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.	✓	✓
<b>Summer - Winter mode</b> ⚙️	Setting the opening width Switch over between summer and winter mode	-	✓
<b>Adjustable:</b>	Opening speed Closing speed Hold-open time	-	✓
<b>Display of:</b>	Quantity of cycles Software version Error number	-	✓



**Key-operated program switch**  
The easy to use control unit



**D-Bedix**  
The polyvalent control device

## Motion detectors



The opening of the door is normally triggered by motion detectors designed to detect the presence of persons in the doorway.

## Push-buttons



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

# 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**

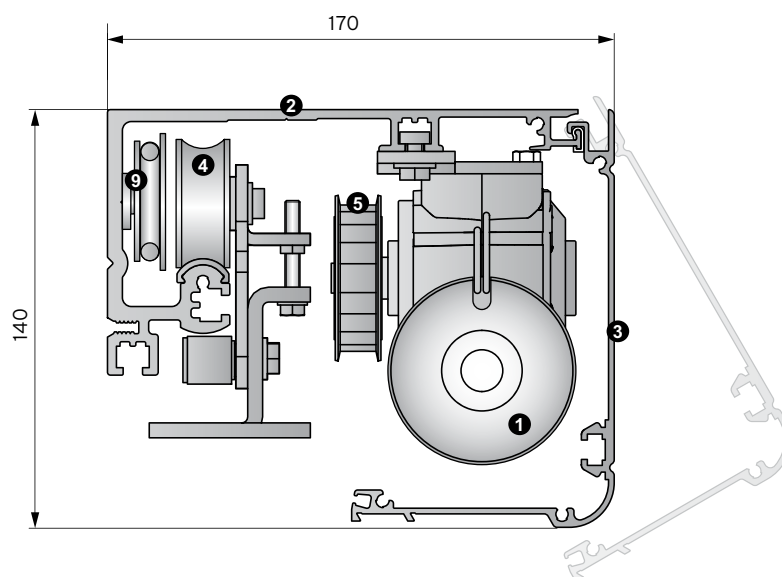
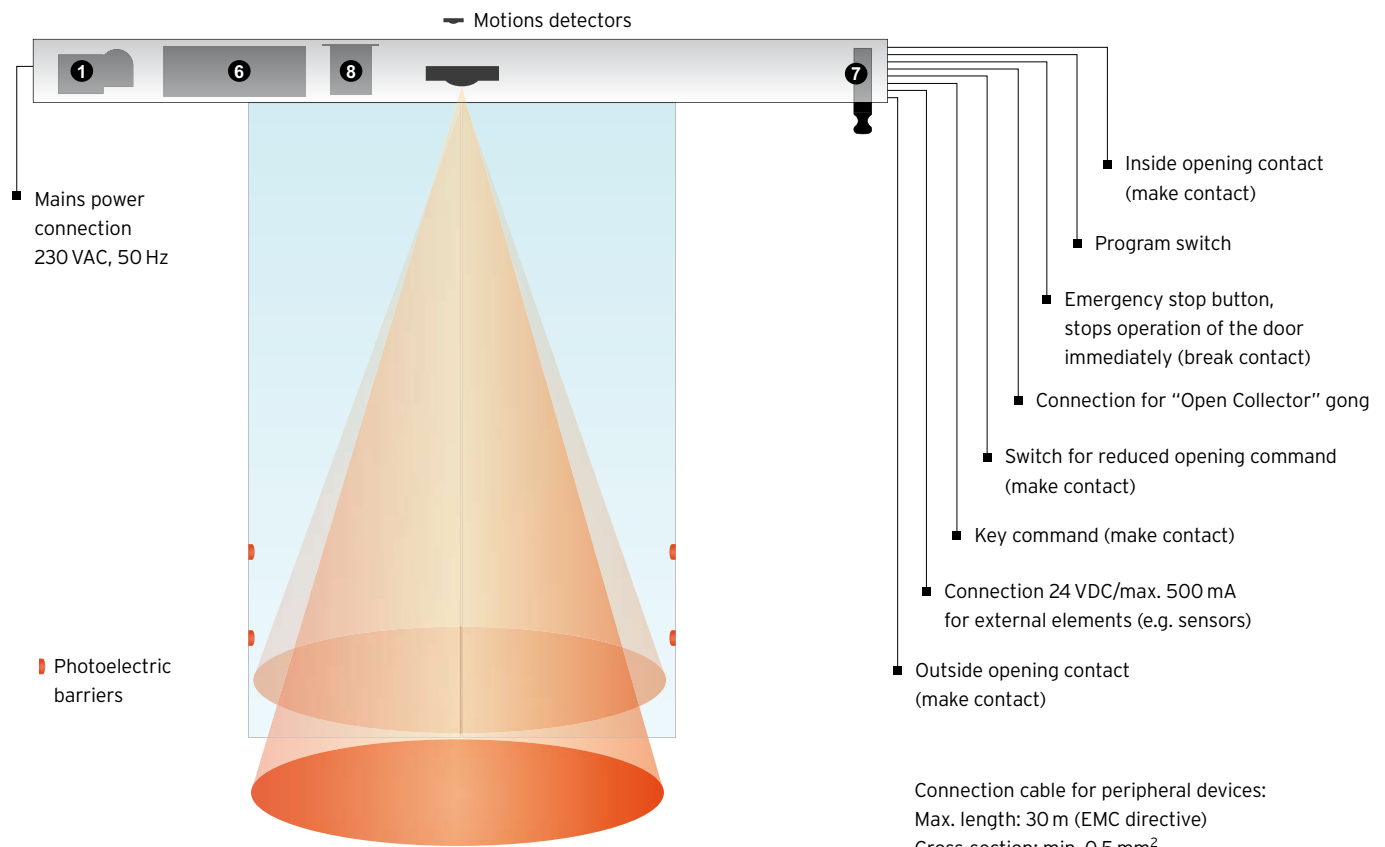
The drive system has been type-approved by the TÜV testing organisation. The automatic door and its specified safety elements fulfil the standards and guidelines established by DIN 18650.



Carefully selected safety elements prevent the accidental touching of moving doors.



# Characteristics of SLA drive-system technology



## Drive-system components

- ❶ **Compact drive unit** with electronically-controlled door operation, maintenance-free with high performance
- ❷ **Running profile**
- ❸ **Covering** simple to secure in hinged-up position
- ❹ **Running carriage** with three-dimensional compensation for structural tolerances and adjustable door wing suspension, height adjustment to  $\pm 10$  mm, lateral adjustment to  $\pm 15$  mm
- ❺ **Power transmission via toothed belt**
- ❻ **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 detectionSimple manual adjustment of the following four functions:
  - Closing speed
  - Opening speed
  - Hold-open time
  - Reduced openingSelectable default settings with DIL switch
  - Sense of rotation
  - Activation of locking mechanism
  - Tracking adjustment
- ❼ **Electromechanical locking mechanism**  
with manual release. Secures the closed door panels. Can be enhanced with a remote manual release function
- ❽ **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
- ❾ **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
Clearance width LB	900... 3000 mm	700... 2000 mm
Clearance height LH	Optimum 2100 - 2300 mm, maximum 2500 mm	
Max. wing weight	2 x 120 kg	1 x 120 kg
Minimal drive case length	2 x LB + 100 mm	
Kaba wing systems, tested to DIN 18650 standards	PSX, PSA	

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

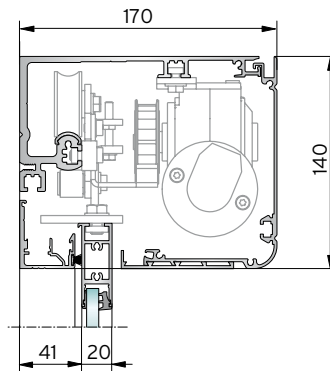
# Different wing systems can be combined with the SLA drive unit

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.

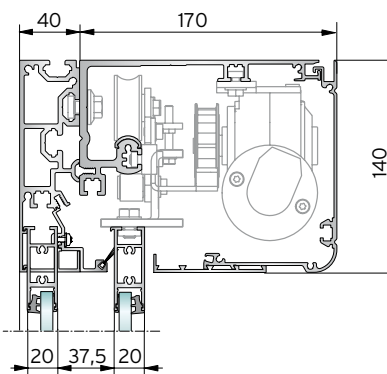
Drive unit

Wing system



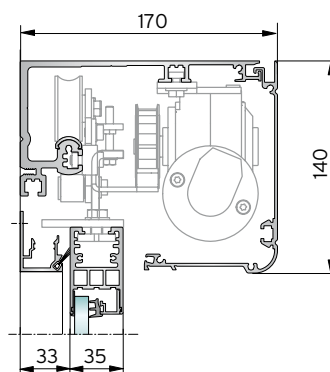
## Kaba PSA

- Without supporting profile, without side panels
- Integration of photoelectric barrier
- Incl. sealing gaskets
- For glass measuring 6, 8 or 10 mm in thickness



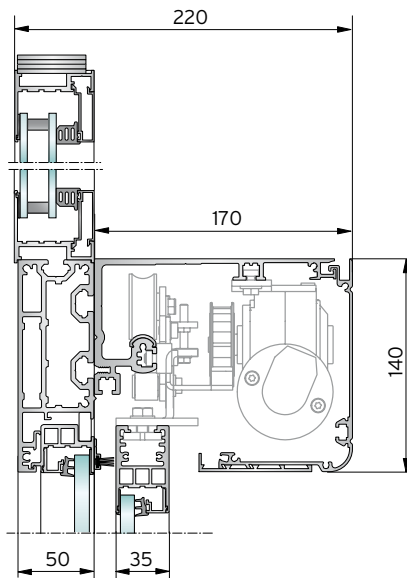
## Kaba PSA

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

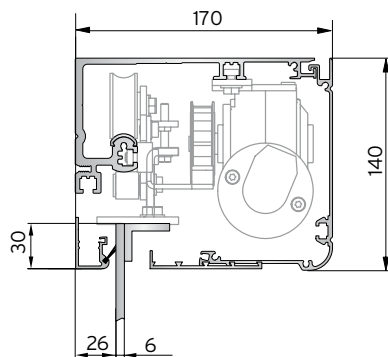


## Kaba PSX

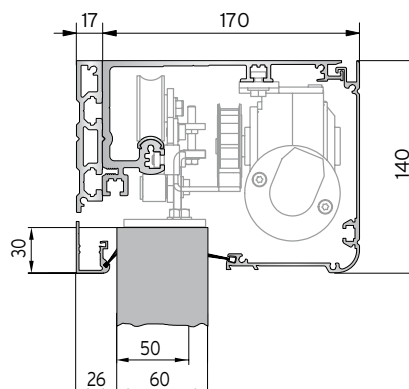
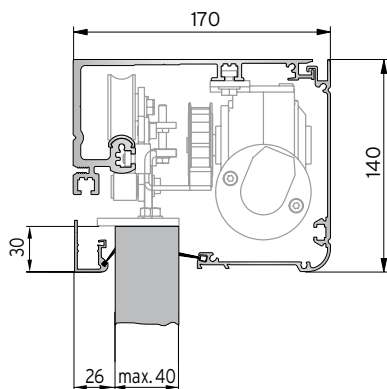
- Without supporting profile, without side panels
- Integration of photoelectric barrier
- Incl. sealing gaskets
- For glass measuring from 6-24 mm in thickness
- Filling made of plastic, wood, aluminium, etc.

**Drive unit****Wing system****Kaba PSX**

- Including supporting profile, side panels and fanlight
- Incl. sealing gaskets
- 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

Your regional specialist for automatic doors



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