

KONE UniDrive® 23 and KONE UniDrive® 23P

The new KONE UniDrive® 23 for automatic sliding doors is the ideal solution in almost all applications and areas of use. It features many enhanced functions and attributes compared to the previous drive system. The modular structure of the system enables it to be used with traditional sliding doors, sliding doors with escape route functions and with telescopic sliding doors.

	UniDrive® 23L	UniDrive® 23(P ¹)	UniDrive® 23(P ¹) redundant
Supply voltage		230 V, 50/60 Hz	
Rated Power		130 (P ¹ > 180) W	
Power supply for peripheral		24 V DC/2A	
Operating temperature range		- 20 to + 60 °C	
Operating humidity (non condensing)		max. 93%	
IP rating		IP 20	
Operating noise		< 47 dB(A)	
Operator dimensions (height x length x depth)			
Single		100 x (2xFOW ² +50) ³ x 180	
Double		100 x (2xFOW ² +100) ³ x 180	
Single telescopic		100 x (1,5xFOW ² +125) ³ x 180	
Double telescopic		100 x (1,5xFOW ² +125) ³ x 180	
Opening speed (adjustable)	10-70 cm/s	10-70 (P ¹ > 90) cm/s	approx. 20-70 (P ¹ > 90) cm/s
Closing speed (adjustable)	10-70 cm/s	10-70 (P ¹ > 90) cm/s	10-70 (P ¹ > 90) cm/s
Hold open time		0-180 s	
Clear opening width ⁴			
Single		700 - 3000 mm	
Double		800 - 3000 mm	
Single telescopic		800 - 2400 mm	
Double telescopic		1400 - 4000 mm	
Clear opening height		2000 - 3000 mm	
Max. door weight			
Single		1x 125 (P ¹ > 250) kg	
Double ⁵		2x 125 (P ¹ > 200) kg	
Single telescopic		2x 65 (P ¹ > 100) kg	
Double telescopic ⁵		4x 65 (P ¹ > 100) kg	
Option		CO-48 escape route	
Certificates and compliances			
Low Voltage and EMC Directive		✓	
EN16005 and DIN 18650		✓	
ISO 9001 certified manufacturing		✓	
EPD in accordance with ISO 14025		✓	

¹ P = Power. A more powerful operator to handle heavier doors

² FOW = Free Opening Width

³ Operator length depends on selected options, such as - insulated / vandal / lock variants

⁴ Minimum clear opening width of the redundant door is depending on regional building codes and may vary

⁵ A guide rail suspension is required for door leaves which will exceed a weight of 2 x 75 kg or 4 x 75 kg

Unique propositions

- Direct drive technology, ensuring a low energy consumption, while it is at the same time a powerful operator, which can handle door panels up to 1x 250 kg or 2x 200 kg.
- 100% recyclable packing material.
- Environmental Product Declarations (EPD) based on overall life cycle assessments.
- Successfully passed tests involving 1.5 million cycles (open and close), which is 50% more than the industry standard.
- Modular; The UniDrive® 23 can, due to its modular set up, be adapted to satisfy varying requirements for automatic sliding doors. The modular kit can be universally combined with standard doors, escape route doors and telescopic sliding doors. For operators only, the delivery of a bi-parting door rail in two pieces is optional. An economic solution in terms of logistic costs and time.

Options

- Design award winning canopy with integrated motion and safety sensors for 100 mm high operators and a maximum of 3.000 mm passage height, ensuring a premium look
- Magnetic locking device, jam-free (FIA)
- Electromotive hook locking device (up to RC3 burglary resistance class)
- Manual lock release for electromotive locking device
- Manual lock release for electro-mechanical locking device
- Battery set (standard on the UniDrive® 23 redundant)

Main features (not for the UniDrive® 23 compact)

- Pharmacy function
- Panic closing (obsere regional regulations)
- Airlock control
- Slide and Go
- Fire service switch function
- CO48 - Mechanical escape route function for the French market