



AUTOMATIC DOORS

Powerdrive / Powerdrive Super / Powerdrive Super+

Powerdrive

Drive system for automatic linear sliding doors with large heavy leaves

The distinctive feature of the Powerdrive series are convenience and safety even for heavy doors. Large entrances and opening widths combined with high leaves make special demands on door drive technology. And this is exactly where the strengths of the Powerdrive come into their own. Economic and powerful, this drive moves heavy door leaves up to 200 kg (in the escape route version up to 160 kg). Optimum running characteristics and low wear thanks to compatible profiling of the rollers and track allow use in areas with a high through-traffic volume.

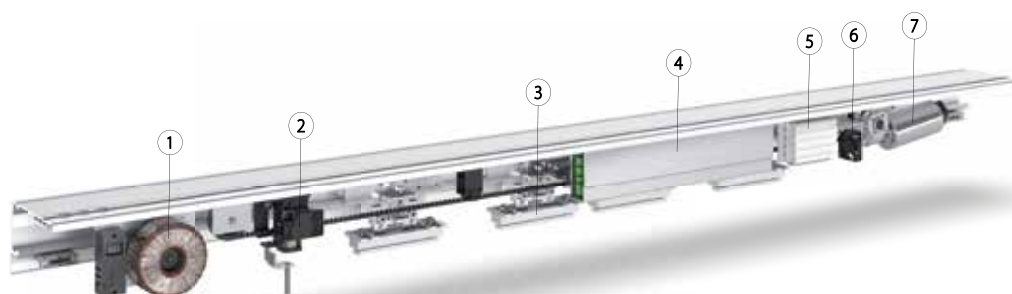


Technical data

Product features	Powerdrive	Powerdrive super	Powerdrive super +
For 1-leaf door systems	•	•	•
For 2-leaf door systems	•	•	•
Height	150 / 200 mm		
Depth	185 mm		
Leaf weight (max.) 1-leaf	200 kg.	400 kg.	800 kg.
Leaf weight (max.) 2-leaf	400 kg.	800 kg.	1600 kg.
Opening width 1-leaf	700 to 3000 mm		
Opening width 2-leaf	800 to 3000 mm		
Temperature range	-15 to 50 °C		
IP rating	IP20		
Disconnection from mains	Main switch in the drive		
Opening speed (max.)	0.8 m/s		
Closing speed (max.)	0.8 m/s		
Hold-open time	0 to 60 s		
Adjustable opening and closing force (max.)	150 N		
Automatic adaptation to traffic flow	•	•	•
Automatic reversal when an obstacle is detected	•	•	•
Pharmacy opening	•	•	•
Interlocking door system function	•	•	•
Vestibule function	•	•	•
Automatic opening in the event of a power failure	adjustable		
Automatic closing in the event of a power failure	adjustable		
Function in the event of a power failure	adjustable for 30 min / 30 cycles		
Automatic opening in the event of a fault	not available		
Approvals 证书	CE certificate		

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Drive components



- | | |
|---------------------|--------------------------|
| 1 = Transformer | 5 = Rechargeable battery |
| 2 = Lock | 6 = Cable holder |
| 3 = Roller carriage | 7 = Motor |
| 4 = Control unit | |

Technical data	Powerdrive	Powerdrive super	Powerdrive super+
Transformer	Ring core with protection and main switch		
Voltage	230 V		
Frequency	50 – 60 Hz		
Capacity rating	200 W		
Lock	Toothed belt locking, electro-magnetic, bi-stable		
Roller carriage	Dual roller		
Door leaf adjustment vertical	12 mm		
Door leaf adjustment horizontal	40 mm		
Tiling protection	Standard		
Self-cleaning	•	•	•
Control unit	DCU1/DCU1-NT		
with fault memory	•	•	•
with memory for statistical data	•	•	•
Software update possible	•	•	•
Bus interface optional	•	•	•
Connection for fire alarm system	•	•	•
Power supply for peripherals	•	•	•
Programmable inputs	3 pc.		
Programmable outputs	2 pc.		
Rechargeable battery	NiCd, 24 V, 700 mAh		
Motor	Gear motor		
Torque	400 Ncm		

• = YES

• = YES
- = NOT AVAILABLE

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Calculation of the drive length AL in mm*

Powerdrive/Powerdrive Super/Powerdrive Super+

	Opening width (ÖW)		Drive length (AL)	
2-leaf	800 - 3000		$2 \times \text{ÖW} + 100$	
1-leaf	700 - 3000		$2 \times \text{ÖW} + 65$	

* Minimum overall length of the complete system with ISO glass profile system

** For FR variants (FR-RWS, FR-LL) request drawings!

Note:

Opening widths of escape route sliding doors < 1000 mm are only permitted in exceptional cases.

A continuous floor guide is recommended for external systems from an opening width of 2000 mm.

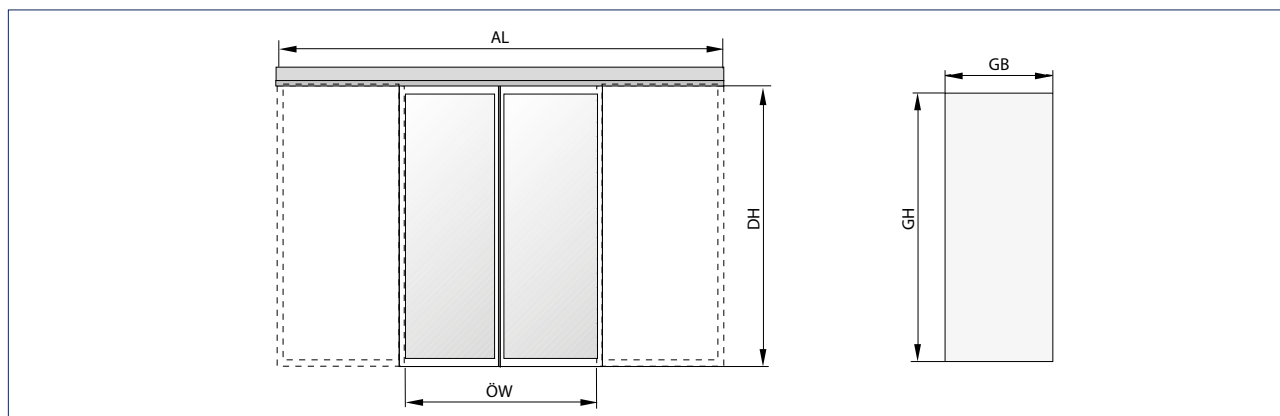
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimensions in mm

		ISO glass with aluminium secondary closing edge	ISO glass with rubber secondary closing edge	Toughened safety glass
Leaf width	1-leaf	$\text{ÖW} + 40$	$\text{ÖW} + 35$	$\text{ÖW} + 35$
	2-leaf	$\text{ÖW} / 2 + 40$	$\text{ÖW} / 2 + 35$	$\text{ÖW} / 2 + 35$
Leaf height	with cover 150 mm	DH		
	with cover 200 mm	DH + 50		
Glass width	1-leaf	ÖW	ÖW	$\text{ÖW} + 9$
	2-leaf	$\text{ÖW} / 2$	$\text{ÖW} / 2$	$\text{ÖW} / 2 + 9$
Glass height		FH - 90	FH - 90	FH - 85
Glass thickness		22	22	10, 12

Note:

Max. leaf ratio width to height 1:4



AL = Drive length

DH = Passage height

GB = Glass width

GH = Glass height

ÖW = Opening width

