

SpeedRoller

The fast and silent solution



PRIME

Appearance and performance in perfect harmony

Properties

- max. surface area (WxH) = 12.25 m², max. width (W) = 3,500 mm, max. height (H) = 3,500 mm
- wind load resistance class 0 according to EN 12424, or up to 3 Beaufort (12 - 19 km/h)
- wind load resistance with WindLoad Optimiser class 0 or up to 7 Beaufort (50 - 61 km/h)
- opening speed with Frequency Control approx. 1.5 m/s*, closing speed approx. 0.5 m/s
- 0.7 mm thick door curtain (1.2 mm option) in blue, black, white, grey, graphite grey, red, orange or yellow
- transparent windows or mosquito nets optionally available
- EN13241 compliant
- suitable for smaller interior openings with a low wind load



PRIME

The SpeedRoller Prime is an electrically operated rapid roll door for indoor use, that combines good quality with excellent value for money. Developed for draught exclusion, climate control and energy saving in retail, industry and public utility buildings.

Dimensions	
max. width	3,500 mm
max. height	3,500 mm
max. surface area	12.25 m ²
required lateral space at the guides	170 mm
required lateral space at slip on drive	300 / 425 mm*
required lateral space at drive for fitting	400 / 475 mm*
lateral space at side guide profiles	145 / 200 mm*
space above	410 / 460 mm*
Wind load resistance*	
Class 0/3 Bft	with WindLoad Optimiser class 0/7 Bft

Components and construction

The SpeedRoller Prime is a door without balance springs, consisting of an electrically driven door curtain rolled up on a roller above the opening. The door curtain is made of extremely durable polyester-reinforced PVC and can be fitted with aluminium reinforcement profiles. Also transparent or insect netting windows are optionally available. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. U-shaped columns with sideseals ensure lateral guidance of the door curtain. The lateral guides are one unit combined with the bearing plates for secure fastening to the roller and drive.

Materials

The door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The HardEdge bottom beam is aluminium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay. 1.2 mm fabric optionally available¹.

Colour

The door curtain is available in the colours blue, black, white, grey, graphite grey, red, orange or yellow

Drive

The drive consists of an electric motor with reduction unit. The roller is directly driven. Drive side available left or right (standard). There are two available drives:

Technical details electric motor

- mains voltage **without** frequency control.....3N-400V/50Hz/16A
- mains voltage **with** frequency control..... LNPE-230V/50Hz/16AT
- degree of protection IP65
- consumed power max. 1.5 kW

Protection

- the door can be manually opened in the case of a power loss
- light curtain up to 2,500 mm high

Performance	
control box without frequency control (standard):	
max. opening speed	1 m/s
max. closing speed	1 m/s
control box with frequency control (optional):	
max. opening speed	1.5 m/s*
max. closing speed	0.5 m/s

Structural provisions and connection

- a flat mounting frame and the necessary mounting space must be available
- exact installation dimensions in the Technical Datasheet
- within a radius of 500 mm of where the control unit **without** frequency control will be positioned there must be a wall socket:
 - CEE-form red, 3N-400V/50Hz/16A
- within a radius of 500 mm of where the control unit **with** frequency control will be positioned there must be a wall socket:
 - CEE-form blue, 1 x 230V fused, slow operation 16 A fitted with a circuit-breaker of at least 300 mA
- the control box usually is fitted on the drive side, at a height of approx. 1,500 mm from the floor
- with standard CEE-plug, the control box is IP54 compliant

Control and operation

The control unit has 3 buttons (open-stop-close) and a CEE plug, and regulates a multitude of functions such as:

- adjustable open time
- service and run mode
- 7-segment display for control of the various functions
- permanently open or permanently shut

Additional controls that can be connected to the control box are:

- push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or radio control.
- Other forms of operation on request



Available controls:

TS971, TS981

Extras¹

Control and operation

- frequency control
- additional controls as described above
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)
- door interlock control in combination with another door

Protection

- connection of traffic lights (red/green or red and green)
- warning light (orange or red)

Construction

- 1.2 mm thick door leaf
- flexible 'FlexEdge' bottom beam
- windows made of transparent plastic or mosquito netting
- stainless steel columns
- PVC, metal or stainless steel hood
- hood and PVC cover in customer-specified RAL colour
- color printing on the door leaf

* Depending on the configuration ¹ subject to surcharge



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