

HIGH-SPEED ROLL-UP DOOR, type "EFA-SRT®-L/PREMIUM"

Manufacture, delivery and installation of:

High-speed roller door type "EFA-SRT®-L/PREMIUM", with electro-mechanical high-performance door drive for continuous industrial use

To balance the weight of the door leaf and to open the door manually in the event of a power failure (according to DIN EN 12604), a special tension spring mechanism must be integrated into the side door frames. This durable and extremely maintenance-friendly counter-traction device is mandatory. Constructions with torsion springs are not permitted; Standard door leaf made of 2 mm thick PVC, fully transparent, guided on the side and wound onto a horizontally mounted shaft; PVC door leaves generally with vertical warning stripes. A maintenance-free door leaf tensioner is to be provided in order to keep the door leaf permanently under tension when closing. In addition, the lateral CURTAIN GUIDES are to be designed with special guide devices in such a way that problem-free winding and unwinding is guaranteed even under wind loads. All-round sealed steel frame construction sendzimir-galvanised as standard.

The DOOR DRIVE is carried out by means of a geared brake motor, which is to be designed as a high-frequency motor. The door positions are permanently recorded using non-wearing, inductive proximity switches, with the end positions being determined electronically. Electromechanical limit switches are not permitted for this.

OPENING SPEED: Up to approx. 2.0 m/sec.
Max. DOOR LEAF SPEED: Up to approx. 2.6 m/sec.
(depending on door size)

CLOSING SPEED: Up to approx. 1.0 m/sec.

The **MICROPROCESSOR CONTROL** is installed together with the integrated frequency converter in a separate plastic switch cabinet, protection Class IP 65. Connection to electricity 230V/ 50 Hz on site.

The scope of delivery includes an electrical safety contact edge according to DIN EN12453, self-monitoring: the supply cable must be routed in a protected energy chain within the door frame.

Regulations according to DIN EN 13241-1 are fulfilled;

for clear passage opening

Width = mm x Height = mm

Manufacturer Proof:

EFAFLEX Tor- und Sicherheitsysteme GmbH & Co. KG
www.efaflex.com

OPTIONS for High-Speed Roll-Up Door "EFA-SRT®-L/PREMIUM"

Cover of the Winding Shaft/ Motor:

Complete cover over motor and shaft, with inspection opening in the motor area. The lower part of the panel is designed to be foldable to enable quick access.

Surface:

Powder coating of all galvanised steel parts in a colour according to RAL _____ (metallic colours are not available)

or

Stainless steel version (V2A) of all visible steel parts, visible surface ground, grit 220, incl. control cabinet made of V2A, e.g. for wet operation

Crash Version:

Extra for special deflection mechanism on the end profile to avoid damage caused by accidental collision: In the event of an unintentional collision, the end blade can be pushed out of the guides on both sides. Switches arranged on both sides then report the "crash" to the control unit, so that the door run is stopped immediately. Automatic operation can be resumed after manual "re-attachment" of the final sword and confirmation on the control cabinet. With this door variant, the signals from the crash switch and the contact edge are reported to the controller by means of a radio pulse. (A coiled cable on the door leaf is undesirable.)

Alternative Security System:

Supplement for self-monitoring, TÜV-tested DOOR LIGHT GRID (EFA-TLG®), fully protected and integrated in the side frames of the door. The light curtain acts directly on the door closing level and creates an almost full-surface infrared light curtain up to a height of 2.5 m. Obstacles are detected without contact. The closing movement then stops immediately. This means that reverse operation can be initiated at a much earlier point in time. Contact edge and/or light barrier(s) are omitted.

Special Curtains:

Polyester fabric 2.0 mm thick, laterally stable, FDA approved
red / orange / yellow: not antistatic, silicone-free
blue / grey-white: antistatic, silicone-free,

as before, however

with sight strips made of fully transparent PVC
(in the case of a door curtain with a viewing window, only partially antistatic and partially approved for food industry)

Alternatively:

Polyester fabric 2.0 mm thick, black-grey, laterally stable, urethane-impregnated, Flame retardant B1 (SE) according to DIN EN 20340 antistatic, silicone-free