

## **HIGH-SPEED ROLL-UP DOOR, type "EFA-SRT®-MTL"**

Manufacture, delivery and installation of

High-speed roll-up door, type „EFA-SRT®-MTL“, with electro-mechanical high-performance drive unit for inside use without wind load as “access prevention” in materials logistics without personal traffic.

The main advantage of this low-maintenance door construction consists of the very slim aluminium frames (anodized (E6-EV1) with clinging door blade guides. Standard door curtain made of 2mm thick PVC, fully transparent, laterally guided and rolled onto horizontally placed shaft; PVC curtains generally come with vertical warning stripes.

The DOOR is driven by a high-frequency motor as direct drive. The positions of the door are permanently detected by means of non-wearing, inductive proximity switches, with the limits being determined electronically. Electro-mechanical limit switches are not permissible here.

**OPENING SPEED: up to approx. 1.5 m/s**

**CLOSING SPEED: up to approx. 0.6 m/s  
(depending on door size)**

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

The scope of delivery includes a bottom section for curtain tensioning made of galvanized steel with sealing lip.

Regulations pursuant to DIN EN 13241-1 are complied with;

for clear opening dimensions

Width = ..... mm x Height = ..... mm

Manufacturer:

EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG

[www.efaflex.com](http://www.efaflex.com)

## **OPTIONS for high-speed roll-up door, type "EFA-SRT®-MTL"**

Equipment package for “access restriction” (with personnel traffic):

Surcharge for application in areas with persons in the door area, consisting of:

Aluminium end-shield (E6-EV1) with integrated safety edge in rubber profile. Covered guidance of energy chain to the bottom edge with additional cover on one side of the door frame.

High-frequency drive with gear protection and absolute encoder, emergency opening via crank, microprocessor control in plastic box (IP 65) with main switch

### **Motor and winding shaft covering:**

Complete covering over motor and shaft

### **Motor position:**

Surcharge for space-saving, motor position, drive connection via chain

### **Surface:**

Powder coating of all galvanised steel parts and aluminium parts in a colour according to RAL \_\_\_\_\_ (pearl, luminous and metallic colours not possible)

**Frame extension:**

Surcharge for extension of frames on both sides, e.g. for conveyor application at a higher level than floor level (infill between floor and top edge of conveyor to be supplied locally)

**Surcharge for conveyor kit:**

Separate terminals for the following inputs and outputs:

Inputs: door open / door closed / emergency stop

Outputs: door opened / door closed / door ready-failure

(max. with 24V DC)

**Message of positions via mechanical limit switches:**

Surcharge for mechanical limit switch, roller lever type for additional message door open / door closed to local facility

**Message of positions via safety limit switches:**

Surcharge for inductive safety limit switch, (category IV) for additional message door open / door closed to local facility. Evaluator for integration in local control supplied loosely.

**Door curtain extension on one side:**

Surcharge for extension of door curtain on one side (left hand side or right hand side selectable, min. height 350mm / max. height 1200mm, min. width 250mm), e.g. for laterally placed conveyor system.

**Rubber lip extension:**

Surcharge for extension of bottom rubber sealing lip (max. 300mm) for adaption to protruding parts of the conveyor.

**Special curtains:**

polyester fibre 2.0 mm thick, transversely stable, FDA approved

red / orange / yellow: non-antistatic, silicone free

blue / grey-white: antistatic, silicone-free,

without vision window

polyester fibre 2.0 mm thick, transversely stable, FDA approved

red / orange / yellow: non-antistatic, silicone free

blue / grey-white: antistatic, silicone-free,

with vision window

(in the case of door curtain with window only partly antistatic and partly approved for the food industry)

polyester fibre 2.0 mm thick, black-grey, transversely stable, urethane-impregnated,

hardly flammable class B1 (SE) according to DIN EN 20340 antistatic, silicone-free

without vision window

polyester fibre 2.0 mm thick, black-grey, transversely stable, urethane-impregnated,

hardly flammable class B1 (SE) according to DIN EN 20340 antistatic, silicone-free

with translucent UV protection window acc. to DIN 1598