

## **HIGH-SPEED FOLDING DOOR, type "EFA-SFT®-S" (2-leaf)**

Manufacture, delivery, and installation of:

High-speed folding door type "EFA-SFT®-S", 2-leaf, with electro-pneumatic drive Connection to compressed air at approx. 6 bar and electricity 230 volts 2-leaf, i.e. a total of 4 door segments, coupled 2:2 and divided in the middle . Wings can be opened every 90 degrees;

The door system essentially consists of:

Door leaf elements made of special anodised aluminum profiles, which are separate from the supporting steel frame, are screwed together in a modular design and are therefore easy to replace. Door leaves divided horizontally into ..... fields, large visible area (up to 85% of the door area) made of acrylic glass, approx. 4 mm thick, fully transparent. Steel parts galvanized as standard, aluminum parts E6/EV1 anodised; Door leaves sealed against each other, to the vertical steel frames and to the opener box, floor closure with sealing brush, rubber profile seals between the leaf segments, main closing edge sealed with hollow chamber rubber, also designed as finger protection.

Cardan joint technology for even weight distribution over the entire work area.

Electro-pneumatic drive via compressed air cylinder with long end-of-travel cushioning: Each door leaf therefore has its own drive unit; Separate sash control must be possible at extra cost.

<b>OPENING SPEED:</b>	<b>up to approx. 1.8 m/sec.</b>
<b>Max. DOOR LEAF SPEED:</b> (depending on door size)	<b>up to approx. 2.0 m/sec.</b>
<b>CLOSING SPEED:</b>	<b>up to approx. 1.0 m/sec.</b>

The **MICROPROCESSOR CONTROL** is installed in a separate sheet steel switch cabinet, protection class IP 65. Connection to electricity 230 V / 50 Hz on site

The scope of delivery includes a self-monitoring electrical safety contact strip in accordance with DIN EN12453:

Regulations according to DIN EN 13241-1 are fulfilled  
Resistance to wind load according to DIN EN 12424 up to Class 3  
Airborne sound insulation according to DIN EN 7171 up to 21 dB(A)  
(Values depend on the door size and equipment)

for clear passage opening

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

Manufacturer proof:  
EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG  
[www.efaflex.com](http://www.efaflex.com)

## **OPTIONS for high-speed folding door "EFA-SFT®-S"**

### **Electro-mechanical drive**

Supplement for electro-mechanical central drive, consisting of:  
High-frequency motor, connection value 230 V, 50 Hz, hand lever for manual emergency opening

Frequency converter for variable speed control Microprocessor control in separate plastic control cabinet, (Available for 2-wing doors, separate wing control not possible)

### **Surface**

Powder coating of all galvanized steel parts in a colour according to RAL \_\_\_\_\_ (metallic colours are not available)

Powder coating of the aluminum parts in a color according to RAL \_\_\_\_\_

If both steel parts and slat parts are coated in the same RAL color, slight color differences may occur which cannot be completely ruled out due to the different surface structures. However, due to the possibilities of influencing the degree of gloss, the supplier must take the greatest possible precautions to keep the color deviations as small as possible.

### **Integrated pedestrian door:**

In general, pedestrian doors can be integrated into the outer halves of the folding leaf, provided the door width is large enough. It is recommended that the clear passage width of the door should not be less than 850 mm.

Integrated pedestrian door in the (right/left) door wing, opens outwards, approx. dimensions  $W = \text{mm}$  /  $H = \text{mm}$ , optically perfectly matched to the door construction, complete delivery and assembly, incl. built-in lock and handle set, prepared for on-site locking cylinder, version with already installed upper door closer and safety limit switch, which switches off the door control when the door is still open

Option: Panic lock for the pedestrian door described above

insulating glazing:

Double-shell panel made of 2 x 4 mm thick acrylic glass

Alternatively:

Double-shell paneling made of aluminum sheets, naturally anodized

Option: Surcharge for special painting of the sections in a color according to RAL \_\_\_\_\_

### **Accessories for doors with electro-pneumatic drive:**

Maintenance unit for the compressed air system, consisting of water separator, oiler, and pressure reducer

Additional control cabinet for accommodating the pneumatic components in the warm room, i.e. frost-protected.

Heating incl. thermostat in the drive housing

Weatherproof inclined cover for the drive box

### **Locks for doors with electro-pneumatic drive:**

Mechanical locking for manual operation via hand lever and Bowden cable. There is an electrical device in the drive housing which switches off the pulse generators when the lock is actuated.

Alternative:

### **Standard locking:**

The door locks after each working cycle.

Further consisting of:

a locking mechanism for each door leaf, a locking switch from the control panel, including a pilot light, a manual lever for emergency opening

**Separate wing control for 2-wing version:**

To minimize unnecessary energy losses with pneumatic doors.

Function A: The selector switch on the control cabinet can be used to set whether the entire door or only half the door should be opened.

Function B: Automatic selection by appropriate pulse generators: For example, pull switches can be attached for passenger traffic, which only open half the door, while the entire door is automatically opened for forklift trucks, e.g. via induction loops.