

**„Machine protection door“ HIGH-SPEED ROLL-UP DOOR, type “EFA-SST®-MS”**

Manufacture, delivery and installation of

High-speed Spiral door “EFA-SST®-MS”:

The high-speed spiral door EFA-SST®-MS is an EC type-tested safety component according to Machinery Directive 2006/42/EG with functional safety performance level “d” for safety relevant function according to DIN EN ISO 13849. It is suitable for use as a movable separating safety guard according to DIN EN 14120:2016-05.

The construction is based on well known EFAFLEX spiral door technology. The robust door leaf of the EFA-SST-MS high-speed spiral door consists of strong double-walled, aluminium laths (108mm separation). Optionally single walled, transparent and impact resistant polycarbonate vision laths for clear view to the machine area are applicable

The high-performance controller with frequency-converter allows together with the functionally adjusted drive a very dynamic door operation. The locking device for secure “door closed” message (limit switch: Pilz) enables a connection to machines in Cat. 4 / PL e acc. to DIN EN ISO 13849-1.

**OPENING SPEED:** up to approx. 2.2 m/s  
**Max. DOOR LEAF SPEED:** up to approx. 2.7 m/s  
(depending on the lifting height)  
**CLOSING SPEED:** up to approx. 0.6 m/s  
**Max. cycles per minute:** 7

The **MICROPROCESSOR CONTROL** is installed together with the integrated frequency converter in a separate plastic switch cabinet, protection type IP 54. Connection to 3~/N/PE 400V power supply on-site.

The scope of delivery includes an electric Safety contact edge, self-monitoring according to DIN EN 12453: Its connection cable must be guided in a protective energy chain within the door frame.

for clear opening dimensions

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

If a site specific execution according to an existing product specification is required, please provide us those documents for technical examination!

Manufacturer:  
EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG  
www.efaflex.com  
OPTIONS for high-speed spiral door, type “EFA-SST®-MS”

Z4S  
Powder coating of all galvanised steel parts in a colour according to  
RAL \_\_\_\_\_ (luminous and pearl colours not possible)

PUL  
Powder coating of the laths in a colour according to RAL \_\_\_\_\_  
(luminous and pearl colours not possible)

SPB

Spiral cover: Bottom and front spiral cover

SPBO

Spiral cover: Top spiral cover

SPB-SBT

Spiral cover: Bottom, front and back spiral cover

Please consider reduced door opening height!

(only on connection with item MOA-SST)

MOA-SST

Self-supporting construction for free-standing installation

**Available door laths:**

SIC-MS Aluminium sight laths, with fully transparent single-walled acrylic glass windows

SIC-MS-H Aluminium sight laths, with fully transparent single-walled polycarbonate windows with scratch-resistant coating

ALL-MS Aluminium ventilation laths made of single-walled aluminium with long wholes