**„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 looking 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