RF Shielding Door

**EMSD-FSL : Full-Auto Sliding Door**

**EMSD-FSL**

Full-Auto Sliding RF Shielding Doors meet the performance of IEEE299 shielding criteria and are designed for EME’s high performance PAN shielding system.

**Absorber inside**

The door leaf inner plate is prepared for the mounting of the ferrite tiles and/or absorbers directly onto it. (maximum load 45 kg/m²) Ferrite tiles and/or absorbers are not included in the normal delivery condition. Length of absorber to be attached is not limited and available to match the required length in the area of open/close latch line.

**Pneumatic Latching**

Basically, standard width of the Full-auto sliding door is limited between 1500 mm ~ 3000 mm. Clear open height can be adjusted between 2050 mm and 3000 mm. The operation is caused by the power from air cylinders which are pneumatic system with air pressure. Button cover can be opened by simple unscrewing bolts and open the cover with hinges.

**Security**

The Security has the patents and there is no projections on the door frame and protects the persons for the collision accident. As optional request, security card Open/Close system is available and customer has to inform the system at order.

**Anti-Corrosion**

All door leaf and frame are painted with powder coating method and has strong endurance against corrosion and external damages. The finger strips are beryllium-copper materials and has long lifetime and endurance. Exchange of the finger strips are very easy and simple with only one manual tool.

**Shielding effectiveness test**

per MIL-STD-285 or IEEE-299-1997

Shielding effectiveness test per MIL-STD-285 or IEEE-299-1997

**Inside View of Full-Auto Sliding Door**
RF Shielding Door

EMSD-FSL : Full-Auto Sliding Door

<table>
<thead>
<tr>
<th>MODEL TYPE</th>
<th>CLEAR OPEN (W x H)</th>
<th>AVAILABLE OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMSD-FSL 1520</td>
<td>1500 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-FSL 1820</td>
<td>1800 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-FSL 2020</td>
<td>2000 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-FSL 2525</td>
<td>2500 mm x 2500 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-FSL 3030</td>
<td>3000 mm x 3000 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
</tbody>
</table>

(Special dimensions are also available by customers request.)

Threshold Bridge is available as an option to make the level flush between the threshold of the door and floor level of the outside. In case of FSL series, the Bridge operates automatically up and down by mechanical conjunction. Possible load capacity of the ramp covers from standard load 500 kg/m² to 2 tons/m² by the request from the customers.

The depth of the bridge is 200 mm ~ 300 mm depending on the building condition and the height of the bridge is from minimum 150mm to maximum 500mm. There is no compressed air is required for the mechanical bridge system.
RF Shielding Door

**EMSD-SSL : Semi-Auto Sliding Door**

**Absorber inside**

The door leaf inner plate is prepared for the mounting of the ferrite tiles and/or absorbers directly onto it. (maximum load 45 kg/m²)

Ferrite tiles and/or absorbers are not included in the normal delivery condition. Maximum length of absorber is limited within 450mm in the area of open/close latch line.

**Pneumatic Latching**

Basically, standard width of the Semi-auto sliding door is limited between 1500 mm ~ 3000 mm.

Clear open height can be adjusted between 2050 mm and 3000 mm.

The operation is caused by the power from air cylinders which are pneumatic system with air pressure. Button cover can be opened by simple unscrewing bolts and open the cover with hinges.

**Security**

The Security has the patents and there is no projections on the door frame and protects the persons for the collision accident.

As optional request, security card Open/Close system is available and customer has to inform the system at order.

**Anti-Corrosion**

All door leaf and frame are painted with powder coating method and has strong endurance against corrosion and external damages. The finger strips are beryllium-copper materials and has long lifetime and endurance. Exchange of the finger strips are very easy and simple with only one manual tool.

**EMSD-SSL**

Semi-Auto Sliding RF Shielding Doors meet the performance of IEEE299 shielding criteria and are designed for EME’s high performance PAN shielding system.

**Shielding effectivness test**

per MIL-STD-285 or IEEE-299-1997
RF Shielding Door

**EMSD-SSL : Semi-Auto Sliding Door**

<table>
<thead>
<tr>
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<th>CLEAR OPEN (W x H)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EMSD-SSL 1520</td>
<td>1500 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSL 1820</td>
<td>1800 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSL 2020</td>
<td>2000 mm x 2050 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSL 2525</td>
<td>2500 mm x 2500 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSL 3030</td>
<td>3000 mm x 3000 mm</td>
<td>TB, HL, Absorber, Ferrite tile</td>
</tr>
</tbody>
</table>

(Special dimensions are also available by customers request.)

**TB** : Threshold Bridge

**HL** : Heavy Load

Threshold Bridge is available as an option to make the level of threshold of the door and floor level of the outside. In case of SSL series, the Bridge operates automatically up and down by mechanical conjunction. Possible load capacity of the ramp covers from standard load 500 kg/m² to 2 tons/m² by the request from the customers.

The depth of the bridge is 200 mm ~ 300 mm depending on the building condition and the height of the bridge is from minimum 150mm to maximum 500mm. There is no compressed air is required for the mechanical bridge system.
EMSD-SSW : Semi-Auto Swing RF Shielding Doors meet the performance of IEEE299 shielding criteria and are designed for EME’s high performance PAN shielding system.

**Absorber inside**

The door leaf inner plate is prepared for the mounting of the ferrite tiles and/or absorbers directly onto it. (maximum load 45 kg/m²) Ferrite tiles and/or absorbers are not included in the normal delivery condition. Maximum length of absorber is limited within 450mm in the area of open/close latch line.

**Pneumatic Latching**

In the model over the 1500mm in clear open width has double hinges to guarantee the clear operation with heavy load on the door leaf. The operation is caused by the power from the air cylinder which is pneumatic system with air pressure between 6 and 8 bar. Button cover can be opened by simple unscrewing bolts and open the cover with hinges.

**Security**

The Security has the patents and there is no projections on the door frame and protects the persons for the collision accident. As optional request, security card Open/Close system is available and customer has to inform the system at order.

**Anti-Corrosion**

All door leaf and frame are painted with powder coating method and has strong endurance against corrosion and external damages. The finger strips are beryllium-copper materials and has long lifetime and endurance. Exchange of the finger strips are very easy and simple with only one manual tool.

**EMSD-SSW**

Semi-Auto Swing RF Shielding Doors meet the performance of IEEE299 shielding criteria and are designed for EME’s high performance PAN shielding system.
RF Shielding Door

EMSD-SSW : Semi-Auto Swing Door

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</thead>
<tbody>
<tr>
<td>EMSD-SSW 1020</td>
<td>1050 mm x 2050 mm</td>
<td>TR, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSW 1220</td>
<td>1250 mm x 2050 mm</td>
<td>TR, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-SSW 1520</td>
<td>1500 mm x 2050 mm</td>
<td>TR, HL, Absorber, Ferrite tile</td>
</tr>
</tbody>
</table>

(Special dimensions are also available by customers request.)

Manual ramp is available as an option to make the slope from the door threshold and floor level of the outside. In case of SSW series, the ramp operates manually or automatically up and down by mechanical or pneumatic actuation. Possible load capacity of the ramp covers from standard load 500 kg/m² to 1 tons/m² by the request from the customers.

The height of the ramp is 150 mm ~ 300 mm depending on the building condition. Compressed air of 6 ~ 8 bars is required for the pneumatic actuation system. Connection between door and PAN shield panel is easy and simple as shown at side descriptions.
RF Shielding Door

**EMSD-MSW : Manual Swing Door**

**Absorber inside**

The door leaf inner plate is prepared for the mounting of the ferrite tiles and/or absorbers directly onto it. (maximum load 45 kg/m²) Ferrite tiles and/or absorbers are not included in the normal delivery condition. Maximum length of absorber is limited within 450mm in the area of open/close latch line.

**Anti-Corrosion**

All door leaf and frame are painted with powder coating method and has strong endurance against corrosion and external damages.

The finger strips are beryllium-copper materials and has long lifetime and endurance. Exchange of the finger strips are very easy and simple with only one manual tool.

**EMSD-MSW**

Manual Swing RF Shielding Doors meet the performance of IEEE299 shielding criteria and are designed for EME’s high performance PAN shielding system.

**Shielding effectiveness test**

per MIL-STD-285 or IEEE-299-1997

Corner Details
RF Shielding Door

**EMSD-MSW : Manual Swing Door**

<table>
<thead>
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<th>AVAILABLE OPTION</th>
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</thead>
<tbody>
<tr>
<td>EMSD-MSW 1020</td>
<td>1050 mm x 2050 mm</td>
<td>HC, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-MSW 1220</td>
<td>1250 mm x 2050 mm</td>
<td>HC, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-MSW 1520</td>
<td>1500 mm x 2050 mm</td>
<td>HC, HL, Absorber, Ferrite tile</td>
</tr>
<tr>
<td>EMSD-MSW 1820</td>
<td>1800 mm x 2050 mm</td>
<td>HC, HL(Double Leaf), Absorber, Ferrite tile</td>
</tr>
</tbody>
</table>

(Special dimensions are also available by customers request.)

**HC : Handle for Chamber**

**HL : Heavy Load**

Although Manual Swing Door does not have automatic or pneumatic actuation, it could be opened and closed easily. Shielding performance is same with other auto or semi-auto doors without degradation. Connection between door and PAN shield panel is easy and simple as shown at side descriptions.