Connecting element for busbars

ElectroMate

MULTILAM Technology | MULTILAM
ElectroMate base plate, silver-plated with 4 MULTILAM
Thickness (installed) 0.8 mm
Thickmess (across MULTILAMs) 1.3 mm

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Dimensions Ø o / Ø i</th>
<th>Weight</th>
<th>MULTILAM Type</th>
<th>Continuous temperature</th>
<th>Rated current</th>
<th>Short-circuit current</th>
</tr>
</thead>
<tbody>
<tr>
<td>71.1000</td>
<td>ElectroMate 2)</td>
<td>38.5 / 12.5</td>
<td>4.5</td>
<td>LAIA, 4 x 3 Louvers</td>
<td>150</td>
<td>250 ³ / 600 ⁴</td>
<td>5 ³ / 10 ⁴</td>
</tr>
</tbody>
</table>

**Construction**
In a round, silver plated brass disc, are 4 symmetrically distributed MULTILAM each with 3 louvers.
The proven MULTILAM ⁵ guarantees the best possible contact with a minimal contact resistance. The ElectroMate are mounted between busbars which are bolted together.

**Advantages**
- For a better short and long-term contact between busbars
- Energy-saving
- Easy assembly

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¹ The relevant DIN-standards should be referred to, in particular the requirements of busbar current measurements.
² Silver plated
³ Dynamic
⁴ Static
⁵ See catalog "MULTILAM Technical Overview"

Assembly instructions MA014
www.staubli.com/electrical

RoHSready
Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment
Use

- for high current transmission with busbars by indoor installations
- Rotary contact for the positioning of equipment parts e.g. pantograph isolator in h.v. applications

Ill. 1: Rotary contact for the positioning of equipment parts, e.g. pantograph isolator in h.v. applications.

- For permanent connections between busbars
  Ill. 2: Stud torque 40 Nm (of screw M12, Mat. 8.8, lubricated)
- It is a contact element which can be used in straight, angled and “T”-bolted busbar systems (Ill. 3)

III. 1 Dynamic use

<table>
<thead>
<tr>
<th>Distance support</th>
<th>ElectroMate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gap min. 1 mm / max. 1.1 mm</td>
</tr>
</tbody>
</table>

III. 2 Static use

<table>
<thead>
<tr>
<th>ElectroMate</th>
</tr>
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<tbody>
<tr>
<td>Assembly dimension 0.8 mm</td>
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III. 3 Static use

- For permanent connections between busbars
  Ill. 2: Stud torque 40 Nm (of screw M12, Mat. 8.8, lubricated)
- It is a contact element which can be used in straight, angled and “T”-bolted busbar systems (Ill. 3)

Example of application

- Flat contact clamp
  FMA...

- Screw adapter
  GBA...

- Test lead
  SLK425...

- Fuse adapter
  PF/S4-10x38-S

1) see catalogue
"Test accessories touch-protected"
Global presence of the Stäubli Group

www.staubli.com