BI-7639 metering distribution board (empty)

Part no. MDB-BI-7639/SKAP/EMPTY
Catalog No. 171825
EL-Nummer (Norway) 0001728026

Design verification as per IEC/EN 61439

Technical data for design verification

<table>
<thead>
<tr>
<th>Description</th>
<th>Power Consumption (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual enclosure for wall mounting</td>
<td>PV</td>
</tr>
<tr>
<td>Starting enclosure for wall mounting</td>
<td>PV</td>
</tr>
<tr>
<td>Middle enclosure for wall mounting</td>
<td>PV</td>
</tr>
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<tr>
<td>Middle enclosure for wall mounting</td>
<td>PV</td>
</tr>
</tbody>
</table>

IEC/EN 61439 design verification

10.2 Strength of materials and parts
10.2.2 Corrosion resistance
Meets the product standard’s requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard’s requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard’s requirements.
10.2.4 Resistance to ultra-violet (UV) radiation
Not relevant to indoor installations.
10.2.5 Lifting
Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact
IK08
10.2.7 Inscriptions
Meets the product standard’s requirements.

10.3 Degree of protection of ASSEMBLIES
IP30

10.4 Clearances and creepage distances
Is the panel builder’s responsibility.

10.5 Protection against electric shock
< 0.1 Ω; meets the product standard’s requirements.

10.6 Incorporation of switching devices and components
Is the panel builder’s responsibility.

10.7 Internal electrical circuits and connections
Is the panel builder’s responsibility.

10.8 Connections for external conductors
Is the panel builder’s responsibility.

10.9 Insulation properties

10.9.2 Power-frequency electric strength
U_i = 400 V AC

10.9.3 Impulse withstand voltage
2.5 kV

10.9.4 Testing of enclosures made of insulating material
Does not apply to metal enclosures.

10.10 Temperature rise
The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating
Is the panel builder’s responsibility.

10.12 Electromagnetic compatibility
Is the panel builder’s responsibility.

10.13 Mechanical function
Meets the product standard’s requirements.

Technical data ETIM 7.0

Distribution boards (EG000023) / Unequipped meter cabinet (ECD00248)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Unequipped meter cabinet (ec380ss10.0.1-27-14-24-10 [ACN389011])

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
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</thead>
<tbody>
<tr>
<td>Mounting method</td>
<td>Surface mounting</td>
</tr>
<tr>
<td>Material</td>
<td>Sheet steel</td>
</tr>
<tr>
<td>Material</td>
<td>Steel plate</td>
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</tbody>
</table>

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<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Built-in depth</td>
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<tr>
<td>Degree of protection (IP)</td>
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<tr>
<td>Degree of protection (NEMA)</td>
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<tr>
<td>Height</td>
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<tr>
<td>Width</td>
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</tr>
<tr>
<td>Depth</td>
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</tr>
<tr>
<td>With mounting rail</td>
<td>No</td>
</tr>
<tr>
<td>With hinged lid</td>
<td>No</td>
</tr>
</tbody>
</table>