Product data sheet

Tmax molded case circuit-breakers
Tmax T1

Type of circuit-breaker | Tmax T1
--- | ---
Frame | 100

Rated ultimate short-circuit breaking capacity, Icu

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
<th>AC/DC</th>
<th>Voltage</th>
<th>kA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(AC) 50-60 Hz</td>
<td>240 V</td>
<td>[kA]</td>
<td>50 &lt;sup&gt;(1)&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AC) 50-60 Hz</td>
<td>277 V</td>
<td>[kA]</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AC) 50-60 Hz</td>
<td>347 V</td>
<td>[kA]</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AC) 50-60 Hz</td>
<td>480 V</td>
<td>[kA]</td>
<td>22 &lt;sup&gt;(1)&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AC) 50-60 Hz</td>
<td>600Y/347 V</td>
<td>[kA]</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AC) 50-60 Hz</td>
<td>600 V</td>
<td>[kA]</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(DC) 250 V</td>
<td>2 poles in series</td>
<td>[kA]</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(DC) 500 V</td>
<td>2 poles in series</td>
<td>[kA]</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(DC) 500 V</td>
<td>3 poles in series</td>
<td>[kA]</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(DC) 600 V</td>
<td>3 poles in series</td>
<td>[kA]</td>
<td>–</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trip units:

- T fixed, M fixed (10xIn) TMF
- T adj., M fixed (10xIn) TMD
- Thermomagnetic: T adj., M adj. (5...10xIn) TMA
- Magnetic only: M adjustable (6...12xIn) MA

Versions

- Fixed (F) F-FC CuAl
- Plug-in (P)
- Withdrawable (W)

Fixing on DIN rail | Option
--- | ---

Mechanical life | [No. operations /hourly oper.] 25000/240

Electrical life (at 415 V) | [No. operations /hourly oper.] 8000/120

Basic fixed dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>3/4 pole</th>
<th>W [mm]</th>
<th>76/102</th>
</tr>
</thead>
<tbody>
<tr>
<td>D [mm]</td>
<td>70/70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H [mm]</td>
<td>130/130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Weights

<table>
<thead>
<tr>
<th>Type</th>
<th>3/4 pole</th>
<th>[kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>fixed</td>
<td>0.9/1.2</td>
<td></td>
</tr>
<tr>
<td>plug-in</td>
<td>0.9/1.2</td>
<td></td>
</tr>
<tr>
<td>Withdrawable</td>
<td>–</td>
<td></td>
</tr>
</tbody>
</table>

<sup>(1)</sup> In 15A = 35kA @ 240 V AC - 14kA @ 480Y/277 V AC

Compliance with Standards

UL489
CSA C22.2 No. 5.1
IEC 60947-2

EC Directive:
- "Low voltage directives" (LVD) no. 73/23 EEC
- "Electromagnetic compatibility directive" (EMC) no. 89/336 EEC

ABB
Power and productivity for a better world™
Tmax molded case circuit-breakers
Dimensions T1 series

Overall dimensions T1

1 Depth of the switchboard in the case of circuit breaker with face not extending from the compartment door, with or without flange

2 Depth of the switchboard in the case of circuit breaker with face extending from the compartment door, without flange

5 Insulating plate

Drilling template for support sheet

3P

4P

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