Data Sheet
ST045xxDDNC

Illustration

see enlarged drawing at the end of the document

Product specification

• spring clamp terminal block, solderable, double solder pins

• centerline 5.00 mm, direction of connection 45°

• fittable without loss of poles

• color gray

• eccentric lever

• Connection data

\[
\begin{align*}
&V / A / AWG & 300 / 13 / 28 - 14 \\
&1 \text{ mm}^2 & 250 V / 13.5 A / T60
\end{align*}
\]
# Technical Data

## General Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solder pin length</td>
<td>3.5 mm</td>
</tr>
<tr>
<td>min. number of poles</td>
<td>2</td>
</tr>
<tr>
<td>max. number of poles</td>
<td>24</td>
</tr>
<tr>
<td>Insulating material class</td>
<td>CTI 400</td>
</tr>
<tr>
<td>clearance/creepage dist.</td>
<td>4 mm</td>
</tr>
<tr>
<td>protection category</td>
<td>IP 20</td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>III / III / II</td>
</tr>
<tr>
<td>Pollution degree</td>
<td>3 / 2 / 2</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>250 V / 500 V / 500 V</td>
</tr>
<tr>
<td>Rated test voltage</td>
<td>4.0 kV / 4 kV / 4.0 kV</td>
</tr>
<tr>
<td>Min. insul. strip length</td>
<td>6 mm</td>
</tr>
</tbody>
</table>

## Connection data

<table>
<thead>
<tr>
<th>Voltage / A / AWG</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V / A / AWG</td>
<td>300 / 13 / 28 - 14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cross section</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mm²</td>
<td>250 V / 13.5 A / T60</td>
</tr>
</tbody>
</table>

## Material

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulating material</td>
<td>PA46</td>
</tr>
<tr>
<td>Flammability class</td>
<td>V0</td>
</tr>
</tbody>
</table>

## Climatic properties

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper limit temperature</td>
<td>105 °C</td>
</tr>
<tr>
<td>Lower limit temperature</td>
<td>-40 °C</td>
</tr>
</tbody>
</table>

## General

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solderability</td>
<td>For THR products acc. to IPC/JEDEC J-STD-020D-MSL 1</td>
</tr>
<tr>
<td>Tolerance</td>
<td>ISO 2768 -mH</td>
</tr>
</tbody>
</table>
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Illustration

L = (pole size - 1) x centerline + 5 [0.197]
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PCB Layout