SERIES: CDM508 | DESCRIPTION: M5 CONNECTOR

FEATURES
• M5 female connector
• A Code
• panel mount
• IP67

SPECIFICATIONS

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>rated voltage</td>
<td></td>
<td>60</td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>rated current</td>
<td></td>
<td>1</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>withstanding voltage</td>
<td>for 1 minute</td>
<td>600</td>
<td>Vac</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contact resistance</td>
<td></td>
<td>5</td>
<td>mΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>insulation resistance</td>
<td>at 500 Vdc for 1 minute</td>
<td>100</td>
<td>MΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>insertion/withdrawal force</td>
<td></td>
<td>0.3</td>
<td>1.5</td>
<td>kgf</td>
<td></td>
</tr>
<tr>
<td>operating temperature</td>
<td>-25</td>
<td>80</td>
<td>°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>life</td>
<td></td>
<td>100</td>
<td>cycles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>safety approvals</td>
<td>compliant with IEC61076-2-105</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>flammability rating</td>
<td>see material table</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RoHS</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP level</td>
<td>IP67 (in mated condition)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>packaging</td>
<td>carton size: 280 x 225 x 340 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>carton QTY: 1,680 pcs per carton</td>
<td></td>
<td></td>
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</tbody>
</table>

SOLDERABILITY

<table>
<thead>
<tr>
<th>parameter</th>
<th>conditions/description</th>
<th>min</th>
<th>typ</th>
<th>max</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>hand soldering</td>
<td>for 1-3 second</td>
<td>380</td>
<td>°C</td>
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</tbody>
</table>

PART NUMBER KEY

CDM508 - XXX - FT - R505 - 67

Base Number
No. of Poles:
03A = 3 [A-Coding]
04A = 4 [A-Coding]
MECHANICAL DRAWING

units: mm
tolerance:
0.5<X≤8.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>PLATING/COLOR</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>M5x0.5 screw</td>
<td>brass</td>
<td>nickel</td>
</tr>
<tr>
<td>B</td>
<td>terminals; female</td>
<td>brass</td>
<td>gold</td>
</tr>
<tr>
<td>C</td>
<td>housing; female</td>
<td>PA66 (UL94V-0)</td>
<td>black</td>
</tr>
<tr>
<td>D</td>
<td>M5x0.5 nut</td>
<td>brass</td>
<td>nickel</td>
</tr>
<tr>
<td>E</td>
<td>resin</td>
<td>epoxy resin</td>
<td>black</td>
</tr>
<tr>
<td>F</td>
<td>o-ring</td>
<td>FKM</td>
<td>black</td>
</tr>
<tr>
<td>G</td>
<td>o-ring</td>
<td>FKM</td>
<td>black</td>
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</table>

Recommended Panel Cutout

<table>
<thead>
<tr>
<th>No. of Poles</th>
<th>3</th>
<th>4</th>
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<tbody>
<tr>
<td>Coding</td>
<td>A-Coding</td>
<td>A-Coding</td>
</tr>
<tr>
<td>Wire Size</td>
<td>26 AWG</td>
<td>26 AWG</td>
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## REVISION HISTORY

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<tr>
<td>1.0</td>
<td>initial release</td>
<td>12/18/2023</td>
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The revision history provided is for informational purposes only and is believed to be accurate.