File E45172
Project 80ME399

July 10, 1980

REPORT

on

COMPONENT - TERMINAL BLOCKS

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Minden/Westf, Germany

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DESCRIPTION

PRODUCT COVERED:


* Cat. Nos. 201-501, -505, -601, -605, -611, -615, -617.


Cat. No. 237 followed by -102, -103, -112, -113, -122, -123, -132, -133, -136, -137, -142, -143, -146, -147, -152, -153.

Cat. No. 239 followed by -103, -104, -113, -114, -123, -124, -133, -134, -143 and -144.


GENERAL:

These devices are multi-pole terminal blocks which provide screw-tightening pressure wire connectors in combination with solder lugs, solder pins or wire wrap terminals. Cat. Nos. 200, 201 and 202 are flat bus mounted. Cat. No. 237 is mounted by printed circuit terminals. Cat. No. 239 is surface mounted by screws. These devices are intended for general industrial and commercial applications. Cat. Nos. 202 and 239 are factory wiring only. Cat. Nos. 200, 201 and 237 are suitable for field and factory wiring within the specified ratings.

RATINGS:

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Wire Range (sol/str)</th>
<th>Max A</th>
<th>Max V</th>
<th>Screw Torque Lb.-In.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>No. 18-16 AWG, Cu</td>
<td>10</td>
<td>300 V</td>
<td>8</td>
</tr>
<tr>
<td>201</td>
<td>No. 16-12 AWG, Cu</td>
<td>20</td>
<td>600 V</td>
<td>#</td>
</tr>
<tr>
<td>202</td>
<td>No. 12-8 AWG, Cu</td>
<td>40</td>
<td>600 V</td>
<td>20</td>
</tr>
<tr>
<td>237</td>
<td>No. 18-14 AWG, Cu</td>
<td>10</td>
<td>300 V</td>
<td>8</td>
</tr>
<tr>
<td>239</td>
<td>No. 18-14 AWG, Cu</td>
<td>10</td>
<td>300 V</td>
<td>20</td>
</tr>
</tbody>
</table>

# - Note: Cat. No. 237 with Suffixes -112, -113, -142, -143, -146 and -147 are rated 300 V max. These devices have the terminals of every other pole removed to increase spacings between adjacent terminals. All other 237 catalog numbers are rated 150 V max.

### - Note: Cat. Nos. 200, 201, 202 with Suffixes -501, -505, -601, -605, -607, -611, -615 are suitable for 600 V provided that the min 3/8 in (9.5 mm) through air and 1/2 in (12.7 mm) over surface spacing requirement is maintained between uninsulated live parts and uninsulated grounded or dead metal parts after mounting. Refer to cat. no. nomenclature for specific cat. nos.
ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only with products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. The mounting suitability shall be determined in the end-use equipment.

1A. Cat. Nos. 200, 201, 202 with Suffixes -501, -505, -601, -605, -607, -611, -615, -617 shall be mounted so that the min 3/8 in (9.5 mm) through air and 1/2 in (12.7 mm) over surface spacing requirement is maintained between uninsulated live parts and uninsulated grounded or dead metal parts.

2. The suitability of terminations to solder lugs, solder pins and wire wrap terminals shall be determined in the end-use. These terminals are for factory-wiring only.

3. Cat. Nos. 202 and 239 are suitable for factory-wiring only.

4. See "Construction Details" for insulating materials.

5. These devices may be acceptable for applications other than industrial and commercial, provided that spacings, heat rise, insulation, etc. are acceptable in the end-use equipment.

6. For flat bus mounted devices (Cat. Nos. 200, 201, 202), spacings from live parts to grounded or dead metal parts shall be as specified under "Construction Details".

7. Cat. Nos. 200, 201, 202 with Suffixes, -501, -505, -601, -605, -607, -611, -615, -617 are suitable for specified voltage ratings only when the integral insulating cover is closed. Refer to cat. no. nomenclature for specific cat. nos.

8. The tightening torque for field wiring pressure wire connector terminals is recorded in the Ratings section of this report. This torque value shall be marked on the end-use product for those categories which require torque markings for field terminated conductors.

9. The acceptability of the insulating materials, including any higher temperature rating, is to be judged with respect to the end-use product temperature.