PdMA MTAP2 Module

Increased Safety for Testing Energized AC Electric Motors

Specifications
- Voltage at MCC test port: 30V RMS nominal, <50V peak
- Input voltages (select one when ordering): 120, 240, 480, 600 VAC
- Motors rated over 600V require existing metering PT’s and CT’s. Contact PdMA for proper MTAP2 rating selection
- Current input terminal strip (0-3V RMS input), current represented by voltage signal
- MCC test port: Circular military style, 1-inch diameter, extends out ½ inch
- Temperature Rating: 80°C, Relative Humidity Range: 90% non-condensing

Physical Dimensions
- Size: 7.25 x 5.6 inches x 3.5 inches deep
- Weight: less than 3 lbs.
- Mounts to DIN rail via 2 mounting brackets
  - Mounting brackets provided, DIN rail not provided
- Optional Mounting: Mount circuit board directly to MCC
  - 4 mounting feet (must specify if required)

Circuit Protection and Isolation
- 3 primary and 3 secondary fast-acting fuses on potential transformer
- Transorbs used to limit voltage for current and voltage signals to test port
- Electrical Isolation: potential transformer passes 2000V DC high potential test

Standards and Certifications
- Meets UL 508 and CSA 22.2 #14 Standards
- CE
- Meets NFPA 70E guidelines for safe voltage level

MTAP2 CT Information
For additional information, contact PdMA.

<table>
<thead>
<tr>
<th>CT Primary Current Rating</th>
<th>5A</th>
<th>100A</th>
<th>400A</th>
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</thead>
<tbody>
<tr>
<td>CT Opening Size (inside diameter in inches)</td>
<td>0.3</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td>Design</td>
<td>Iron Core Donut</td>
<td>Iron Core Donut</td>
<td>Split-Core</td>
</tr>
<tr>
<td>Voltage Class (max continuous voltage)</td>
<td>600V</td>
<td>600V</td>
<td>600V</td>
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<tr>
<td>Burden Resistor</td>
<td>Built in</td>
<td>Built in</td>
<td>Built in</td>
</tr>
<tr>
<td>Output (mV/A)</td>
<td>66.7 mV / A</td>
<td>3.3 mV / A</td>
<td>0.833 mV / A</td>
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<tr>
<td>Burden in VA at rated current</td>
<td>0.003</td>
<td>0.04</td>
<td>0.0177</td>
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<tr>
<td>Burden in VA at 10X rated current</td>
<td>0.28</td>
<td>3.63</td>
<td>1.778</td>
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<tr>
<td>Wire Length</td>
<td>8 ft</td>
<td>8 ft</td>
<td>8 ft</td>
</tr>
<tr>
<td>CSA Standard #</td>
<td>CAN3-C13-M83</td>
<td>CAN3-C13-M83</td>
<td>CAN3-C13-M83</td>
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</tbody>
</table>

To Order MTAP2 Module: Specify input voltage and CT current rating.
Requires one external cable to connect tester to MCC test port:
Part Number ASY-00321