Type RMB(X)-644
Indoor/outdoor current transformer

Product features
– 600 volt, 10 kV BIL, 60 Hz
– Indoor/outdoor
– Single, dual, and multi ratios
– Approximate weight: 100 lbs. (45 kg)

Application
The RMB(X)-644 indoor/outdoor, window-type current transformer is rated for use on 600 volt systems with 10 kV BIL. Primary current ratios are available from 200:5 to 4000:5 at 60 Hertz, with a rating factor of up to 4.0. This dry-type, solid-cast current transformer will operate with high accuracy for metering or relay applications.

Mechanical description
The core and coil assembly is wound and encapsulated in a molded cast resin with a standard 3.5" window (other sizes available from 2.0" to 6.0"). The secondary terminals are ¼"-20 copper studs with associated hardware located inside a removable terminal box with two (2) 1" NPT conduit hubs.

Accuracy performance
The RMB-644 will operate with 0.3 class accuracy for metering with burdens of B-0.1 to B-1.8 and up to C800 for some relay applications. The transformer is accurate through its rating factor, and can be used continuously to this level.

The RMBX-644 will operate with 0.15 class high accuracy for metering applications with burdens of B-0.1 to B-1.8. The transformer maintains 0.3 accuracy from 1% of I_{nom} through its rating factor, and can be used continuously to this level (for 0.15 accuracy range, see ratings specific to each ratio).

Mounting
The RMB is designed for mounting in the upright, underhung, or cantilever position. Open end slots are provided on the aluminum mounting legs.

Testing
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Options
The RMB is available with a primary bus bar kit. Contact factory for other needs.
RMBX-644 selection guide

<table>
<thead>
<tr>
<th>Ratio</th>
<th>0.15/0.3 @ burden</th>
<th>0.15/0.3 acc range</th>
<th>Rating factor @ 30°C</th>
<th>Style number</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>B-0.5/B-0.9</td>
<td>400/4 to 1200A</td>
<td>3.0</td>
<td>A120400X1</td>
</tr>
<tr>
<td>500</td>
<td>B-0.5/B-1.8</td>
<td>500/5 to 2000A</td>
<td>4.0</td>
<td>A120500X1</td>
</tr>
<tr>
<td>600</td>
<td>B-0.9/B-1.8</td>
<td>600/6 to 2400A</td>
<td>4.0</td>
<td>A120600X1</td>
</tr>
<tr>
<td>800</td>
<td>B-0.9/B-1.8</td>
<td>800/8 to 3200A</td>
<td>4.0</td>
<td>A120800X1</td>
</tr>
<tr>
<td>1000</td>
<td>B-1.8</td>
<td>10 to 4000A</td>
<td>4.0</td>
<td>A121000X1</td>
</tr>
<tr>
<td>1200</td>
<td>B-1.8</td>
<td>12 to 4800A</td>
<td>4.0</td>
<td>A121200X1</td>
</tr>
<tr>
<td>1500</td>
<td>B-1.8</td>
<td>15 to 4500A</td>
<td>3.0</td>
<td>A121500X1</td>
</tr>
<tr>
<td>2000</td>
<td>B-1.8</td>
<td>20 to 4000A</td>
<td>2.0</td>
<td>A122000X1</td>
</tr>
</tbody>
</table>

One second thermal/mechanical ratings: 80 x full winding $I_{nom}$ / unlimited mechanical.

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