Current Transformers for Electronic Electricity Meters

Shielded CTs for Anti-Tampering

- Safety against Manipulation with External Magnetic fields
- High Linearity Performance
- Extremely Compact Design
- According to IEC 62053-21,-23
- Excellent DC Tolerance
- Excellent Low Load Characteristic
- Meets Inductive Load Condition (Power factor << 1)

PI-CT 2 07/2010
**New Product Series: Shielded Current Transformers for Protection against External Magnetic Fields**

<table>
<thead>
<tr>
<th>$I_{\text{max}}$ [A]</th>
<th>OD x H [mm]*</th>
<th>ID [mm]**</th>
<th>Typ. Phase Error [°]</th>
<th>T60404-…</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 A</td>
<td>28,5 x 6,5</td>
<td>4,5</td>
<td>0,4</td>
<td>E4622-X011***</td>
</tr>
<tr>
<td>40 A</td>
<td>38,5 x 20,0</td>
<td>6,0</td>
<td>2,1</td>
<td>E4623-X171</td>
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<tr>
<td>60 A</td>
<td>33,7 x 17,1</td>
<td>8,0</td>
<td>4,4</td>
<td>E4624-X151</td>
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<tr>
<td></td>
<td>36,9 x 19,2</td>
<td>8,0</td>
<td>2,3</td>
<td>E4624-X171***</td>
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<tr>
<td>80 A</td>
<td>33,7 x 17,1</td>
<td>8,0</td>
<td>5,2</td>
<td>E4625-X151</td>
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<tr>
<td>100 A</td>
<td>35,0 x 15,0</td>
<td>9,5</td>
<td>4,7</td>
<td>E4626-X151</td>
</tr>
</tbody>
</table>

* = round shape, litz wire version, for further details see VAC datasheet (available upon request)
** = inner diameter for primary bus bar
*** = for indirect connected meters, w/o DC tolerance
**** = cost effective alternative to 4624-X151

**Example: Sensitivity against DC magnetic fields**

T60404-E4624-X101 and …-X151 (60 A)

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