MEDIUM VOLTAGE PRODUCT

TJP 6.0-G

Indoor voltage transformers
**Parameters**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highest voltage for equipment</td>
<td>3.6 – 24 (25) kV</td>
</tr>
<tr>
<td>Power frequency test voltage</td>
<td>10 - 60 kV</td>
</tr>
<tr>
<td>1 min.</td>
<td></td>
</tr>
<tr>
<td>Lightning impulse test voltage</td>
<td>40 - 125 kV</td>
</tr>
<tr>
<td>Max. rated burden, classes</td>
<td>25/0.2 - 50/0.5 - 100/1 VA/cl</td>
</tr>
<tr>
<td>Residual winding</td>
<td>50 - 200/6P VA/cl</td>
</tr>
</tbody>
</table>

**Description**

The TJP 6.0-G epoxy insulated voltage transformers are cast in epoxy resin and designed mostly for insulation voltages of 3.6 to 24(25) kV.

If no a different value is required the transformers are manufactured with a overvoltage factor of 1.9 x Un/8 hrs. One outlet of the primary winding, including the respective terminal is insulated from the earth to a level which corresponds to the rated insulation value. The other outlet of primary winding with its terminal is earthed during the operation. Most of the transformers are equipped with two secondary windings, the first one for either measuring or protection purposes, the other for being connected into an open-delta connection in a three-phase system. One terminal of each secondary winding and one of the open-delta connected terminals have to be earthed during the transformer operation.

The secondary windings are lead out into a cast-type secondary terminal board. The secondary terminal board is covered with a sealed plastic cover.

The transformer can be mounted in any position. The transformer body is fixed by four screws, the bolted M8 earthing clamp is located on the transformer base plate.

The TJP 6.0-G transformer is equipped with a fuse conformably to IEC standard. The design of TJP 6.0-G is suitable for the „cable“ connection.
**Dimensional Drawings**

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**TJP 6.0-G**  
Dimensions for short baseplate  
Weight: appr. 42 kg  
Creepage Distance: 536 mm

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**TJP 6.0-G**  
Dimensions for long baseplate  
Weight: appr. 43 kg  
Creepage Distance: 536 mm

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**Marking of the voltage transformer outlets**

a) Single-pole insulated transformer  
b) Single-pole insulated transformer with a tap  
c) Single-pole insulated transformer with two secondary windings  
d) Single-pole insulated transformer with two secondary windings, with one of which being the auxiliary (residual) winding  
e) Single-pole insulated transformer with two secondary, tapped windings, with one which being the auxiliary (residual) winding.
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