Type VOZ-11M
Outdoor voltage transformer

Product features
- 15 kV, outdoor
- 110 kV BIL, 60 Hertz
- Primary volts: 2400 - 14400
- Electrical clearances:
  Strike: 8.75" (222 mm)
  Creep: 17.5" (444 mm)
- Approximate weight: 74 lbs (34 kg)

Application
The VOZ-11M outdoor voltage transformer is designed for outdoor metering and relaying applications.

Construction features
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double loop cores are assembled to a support frame.

The entire core and coil assembly is cast in polyurethane under a vacuum. The polyurethane formulation, developed specifically for instrument transformers, combines superior arc track, ozone, and ultraviolet resistive properties with physical strength and flexibility.

Terminals
Primary terminals are made of electro-tin plated copper and accommodate #10 to 250 MCM conductors. Secondary terminals are clamp-type and are sized for #14 through #3 wire. A ground terminal is also provided for grounding the secondary circuit at the transformer.

Junction box
The molded, glass-filled polypropylene junction box has a 1" conduit hub on either end and a knock out for a 1" conduit fitting on the bottom. The box is anchored to the body of the transformer with screws and can easily be detached, simplifying installation and change out procedures.

Baseplate
The base is constructed of corrosion-resistant aluminum and is secured to the encapsulated base support.

Mounting
The VOZ-11M can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

Test reports
IEEE test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards
This unit meets all applicable IEEE and NEMA standards and can be made to meet other standards, such as CSA or IEC, as requested.
Unit dimensions

Selection guide

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>Metering accuracy</th>
<th>Style number</th>
</tr>
</thead>
<tbody>
<tr>
<td>7200/12470GY</td>
<td>120</td>
<td>60:1</td>
<td>0.3Z</td>
<td>7525A91G05</td>
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<tr>
<td>7620/13200GY</td>
<td>120</td>
<td>63.5:1</td>
<td>0.3Z</td>
<td>7525A91G06</td>
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<td>7525A91G07</td>
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<td>0.3Z</td>
<td>7525A91G08</td>
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<td>0.3Z</td>
<td>7525A91G09</td>
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<tr>
<td>14400/14400GY</td>
<td>120</td>
<td>120:1</td>
<td>0.3Z</td>
<td>7525A91G10</td>
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</tbody>
</table>

Thermal rating at 30°C: 1500

Rated voltage factor (RVF): 1.1

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

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Optional accessories

- Vertical mounting with mounting brackets & back-up plates:
  Mounting bracket: 463C035G02
  Back-up plate: 28D2876G01

- Vertical mounting with mounting brackets and hangers:
  Mounting bracket: 463C035G02
  Hangers: 261A233G01

- Vertical mounting with channel brackets for tandem mounting of voltage and current transformers:
  Channel bracket: 332B955G02

- Horizontal mounting with hangers:
  Hangers: 261A233G01