Type VOY-95
Outdoor voltage transformer

**Product features**
- 15 kV, outdoor
- 95 kV BIL, 60 Hertz
- Primary volts: 4200 - 8400
- Thermal rating: 750 VA @ 30°C ambient
- Electrical clearances:
  - Strike: 8.0" (203 mm)
  - Creep: 15.8" (401 mm)
- Approximate weight: 40 lbs (18 kg)

**Application**
The VOY-95 outdoor voltage transformer is used for metering and relaying circuits. It is particularly suitable for pole top cluster bracket mounting due to its compact and lightweight characteristics.

**Construction features**
The coil assembly is a progressive winding with the high voltage wound directly over the low voltage coil. A core is placed through and around the windings and is protectively cushioned and secured to a support frame.

For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistant properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

**Terminals**
The electro-tin plated copper primary line terminals accommodate #10 to 250 MCM conductors. Clamp-type secondary terminals accommodate #14 through #3 wire. A ground terminal, located below the X1X2 terminals, is also provided for grounding the secondary circuit at the transformer.

**Junction box**
The junction box has a 1" conduit hub on either end and a knockout for a 1" conduit fitting on the bottom. The box is anchored to the body of the transformer with screws and can be easily 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 VOY-95 can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

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

**Standards**
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.
Unit dimensions

Type VOY-95

Selection guide

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>Rated voltage factor</th>
<th>IEEE metering accuracy</th>
<th>Style number</th>
</tr>
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<tbody>
<tr>
<td>6555/11353Y</td>
<td>115</td>
<td>57:1</td>
<td>1.2</td>
<td>0.3W,X,M,Y</td>
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<td>7200/12470Y</td>
<td>120</td>
<td>60:1</td>
<td>1.1</td>
<td>0.3W,X,M,Y</td>
<td>E-9628A30G05</td>
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<tr>
<td>7620/13200Y</td>
<td>120</td>
<td>63.5:1</td>
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<td>0.3W,X,M,Y</td>
<td>E-9628A30G06</td>
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<tr>
<td>8400/14560Y</td>
<td>120</td>
<td>70:1</td>
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<td>0.3W,X,M,Y</td>
<td>E-9628A30G07</td>
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<td>1250/2165Y</td>
<td>250</td>
<td>5:1</td>
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<td>75 VA, CL 0.3</td>
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<td>250</td>
<td>3.2:1</td>
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<td>75 VA, CL 0.3</td>
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<tr>
<td>500/866Y</td>
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<tr>
<td>2000/3465Y</td>
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<td>8:1</td>
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<td>75 VA, CL 0.3</td>
<td>E-9628A30G17</td>
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</tbody>
</table>

Note: 50 Hz designs available

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

For more information please contact:

ABB Inc.
Medium Voltage Distribution Components
3022 NC 43 North
Pinetops, NC 27864
USA
Phone: +1 252 827 3212
Fax: +1 252 827 4286

www.abb.com/mediumvoltage

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