Type VOZ-11M
Outdoor voltage transformer

Product features
- 8.7 and 15 kV, outdoor
- 110 kV BIL, 60 Hertz
- Primary volts: 7200 - 14400
- Electrical clearances:
  Strike: 9.0” (229 mm)
  Creep: 25.0” (635 mm)
- Approximate weight: 70 lbs (32 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.

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 is also provided for grounding the secondary circuit at the transformer.

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
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.

Junction box
The 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 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.
Unit dimensions

Primary voltage  Secondary voltage  Winding ratio  Metering accuracy  Style number
7200/12470GY   120   60:1  0.3 W,X,M,Y,& Z  E-7525A91G05
7620/13200GY   120   63.5:1  0.3 W,X,M,Y,& Z  E-7525A91G06
8400/14560GY   120   70:1  0.3 W,X,M,Y,& Z  E-7525A91G07
12000/12000GY  120   100:1  0.3 W,X,M,Y,& Z  E-7525A91G08
13200/13200GY  120   110:1  0.3 W,X,M,Y,& Z  E-7525A91G09
14400/14400GY  120   120:1  0.3 W,X,M,Y,& Z  E-7525A91G10

Thermal rating at 30° C: 1500
Rated voltage factor (RVF): 1.1

For more information please contact:

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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

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