

Type VOG-11

Outdoor voltage transformer

Product features

- 15 kV outdoor
- 110 kV BIL, 60 Hertz
- Primary volts: 7200 - 8400
- Electrical clearances:
 - Strike: 8.66" (220 mm)
 - Creep: 17.75" (451 mm)

Application

The VOG-11 outdoor voltage transformer is designed for metering line-to-ground circuits. The single centered bushing and reduced neutral end insulation permit a significant reduction in size and installation spacing, while maintaining full 110 kV BIL insulation clearances.

Construction features

The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. The entire core and coil assembly is cast in polyurethane under a vacuum.

Terminals

The primary line terminals are electro-tin plated copper and accommodate #10 to 250 MCM conductors. The H2 neutral terminal is insulated to withstand a 10 kV test level and can be disconnected from the external ground cable for power factor measurement.

Secondary terminals are clamp-type and sized for #14 through #3 wire. A ground terminal is also provided for grounding the secondary circuit at the transformer.

Junction box

The junction box is provided with 1" pipe thread conduit hubs on each end and a knock-out for fitting a conduit connection from the bottom. It may be detached for ease of installation and changeout procedures.



Baseplate

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

Mounting

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

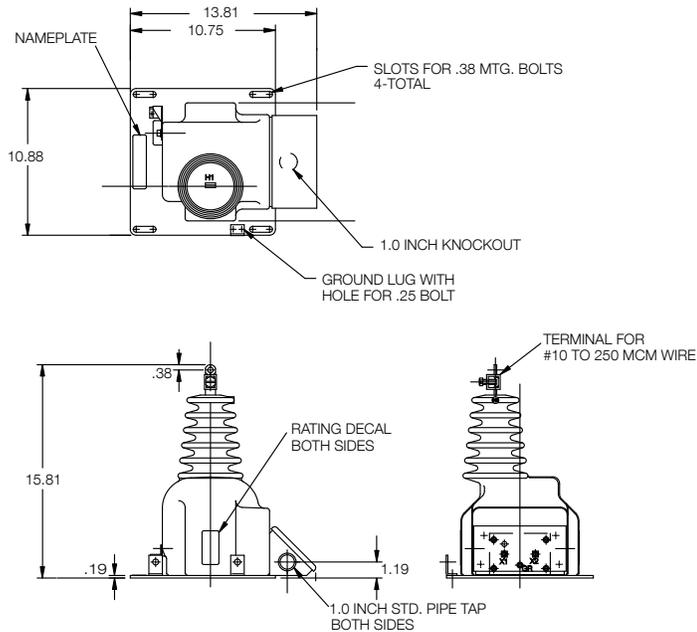
Test reports

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

Standards

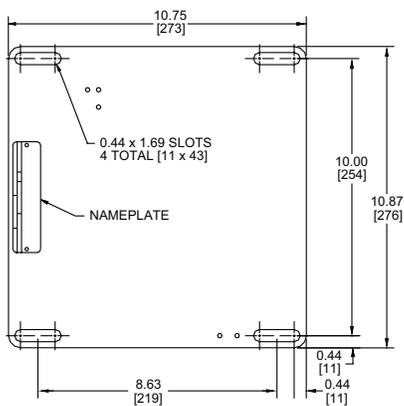
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Unit dimensions



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(Approximate weight: 46 lbs.)



Baseplate dimensions

VOG-11 selection guide

Primary voltage	Winding ratio	IEEE metering accuracy	Thermal rating+	Style number
7200/12470GY	60:1	0.3 W, X, M, Y	1000	7525A95G01
7620/13200GY	63.5:1	0.3 W, X, M, Y	1000	7525A95G02
8400/14560GY	70:1	0.3 W, X, M, Y	1000	7525A95G03

+ Thermal rating at 30° C

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

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

For more information please contact:

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