

Type CVC-200ER

Extended range outdoor combined transformer

Product features

- For outdoor use
- 36 kV, 60 Hertz (50 Hertz available)
- 200 kV BIL
- Electrical characteristics:
 - Strike: 27.0" (686 mm)
 - Creep: 38.7" (983 mm)
- Approximate weight: 274 lbs. (124 kg)

Application

The CVC-200ER is a combination unit that consists of a current transformer (CT) and voltage transformer (VT) in one body. It is designed for metering applications and can be pole-mounted or used in substations. The combined unit provides the customer with both cost and space savings, as well as reduced installation time.

The optional highly accurate current transformer element is ideal for use in cogeneration and in applications where there are large power exchanges, as it preserves stated accuracies with loads ranging from one percent of the full rated current through the rating factor. Due to its wide operating range in conventional metering applications, the CVC-200ER provides greater value for the utility customer by reducing inventory requirements.

Construction

In the current transformer, primary and secondary windings are assembled around a toroidal wound core. The voltage transformer primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is insulated with mylar film to provide a high dielectric strength between layers. The coils and core are combined to create a complete winding structure that is assembled to a support frame. The entire assembly is vacuum cast in polyurethane for insulation and protection.

Terminals

Primary terminals are NEMA, two-hole type electro-tin plated copper. The current transformer secondary connections are clamp-type and accommodate #14 to #1 AWG wire. The voltage transformer secondary connections are clamp-type and accommodate #13 to #3 AWG wire.



Junction box

The junction box, provided with 1" conduit connections on three sides, encloses the secondary terminals.

Baseplate

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

Test reports

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

Standards

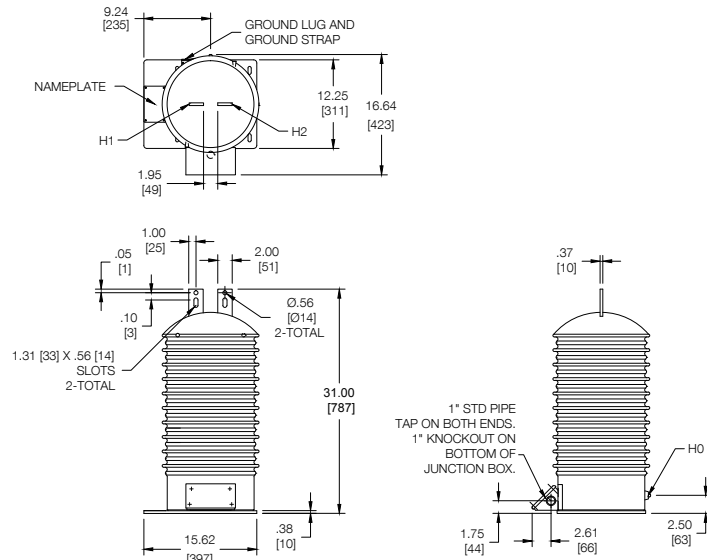
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested. This unit is tested in accordance with IEEE C57.13.6-2005 for high accuracy instrument transformers.

Selection guide

Style number	Frequency (Hz)	Current transformer			Voltage transformer			
		Ratio	Rating factor @ 30°C	Accuracy C1-C2	Ratio	Rated voltage factor (RVF)	Accuracy V1-V2	Thermal rating (VA)
923A512G01	60	200:5	1.5	0.15B-1.8	20125/34500GY to 115	1.9	0.3Y	750
923A512G02	60	200:5	1.5	0.15B-1.8	20125/34500GY to 115/67.08	1.9	0.3Y/0.3Y	750
923A512G03	60	400:5	2.0	0.3B-1.8	20125/34500GY to 115	1.9	0.3Y	750
923A512G04	60	300:5	3.0	0.3B-1.8	20125/34500GY to 115	1.9	0.3Y	750
923A512G05	60	200:5	1.5	0.15B-1.8	19053/33000GY to 120	1.9	0.3Y	750
923A512G06	60	600:5	1.5	0.15B-1.8	20125/34500GY to 120	1.9	0.3Y	750
923A459G01	50	150/300:1	1.5	10 VA, CL 0.2	19050/33000 GY to 63.5	1.9	10 VA, CL 0.2	750
923A459G02	50	150/300:1	1.5	10 VA, CL 0.2	19050/33000 GY to 63.5	1.9	10 VA, CL 0.2	750
923A459G03	50	150/300:1	1.5	10 VA, CL 0.2	17320/30000 GY to 63.5	1.9	10 VA, CL 0.2	750
923A459G04	50	150/300:1	1.5	10 VA, CL 0.2	19050/33000 GY to 69.3	1.9	10 VA, CL 0.2	750
923A459G05	50	200/400:1	2.0	15 VA, CL 0.5	19053/33000 GY to 110	1.2	15 VA, CL 0.5	750

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

Dimensions



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

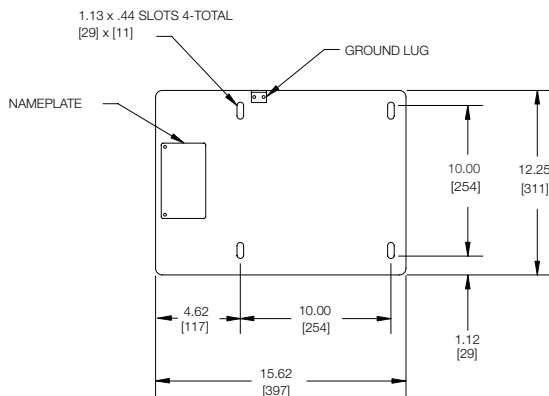
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Baseplate

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