Grid Solutions

MODEL JAB-0CV 600V

Indoor Current Transformer

10 kV BIL, 200-3,000 A
Window Size 4.50” X 3.50”

Application

Designed for both indoor and outdoor service; especially designed for installation over the secondary bushings of pad mounted transformers from 75 kVA to 3,000 kVA.

This special version of the JAB-0CV current transformer is designed for use on heavily loaded pad mount transformers operating in high temperature environments up to 85 °C. For mounting and application information, including use at higher voltages, and matching the current rating to the pad transformer thermal capability, please refer to the Applications Information section of catalog GEP-9186.

Weight

Approximately ..... 8.25 lbs

Insulation Level

0.6 kV; BIL 10 kV full wave

Reference Drawings

Outline 0121C33851

Frequency

50-60 Hz

JAB-0CV Data Table

CURRENT RATIO (AMPS) PRI : SEC	ANSI ACCURACY CLASS, 60 HZ BURDEN PER ANSI					CONTINUOUS THERMAL CURRENT RATING FACTOR	CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER)
	BO.1	BO.2	BO.5	BO.9	B1.8	@ 85 °C AMB.	
200:5	0.3	-	-	-	-	4.0	750X236202
300:5	0.3	0.3	-	-	-	4.0	750X236203
400:5	0.3	0.3	-	-	-	4.0	750X236204
500:5	0.3	0.3	0.3	-	-	3.0	750X236205
600:5	0.3	0.3	0.3	-	-	3.0	750X236206
800:5	0.3	0.3	0.3	-	-	3.0	750X236208
1000:5	0.3	0.3	0.3	-	-	2.0	750X236210
1,200:5	0.3	0.3	0.3	-	-	2.0	750X236212
1,500:5	0.3	0.3	0.3	0.3	-	2.0	750X236215
2,000:5	0.3	0.3	0.3	0.3	0.3	1.5	750X236220
3,000:5	0.3	0.3	0.3	0.3	0.3	1.33	750X236230

Note: Consult factory for base plate provisions.

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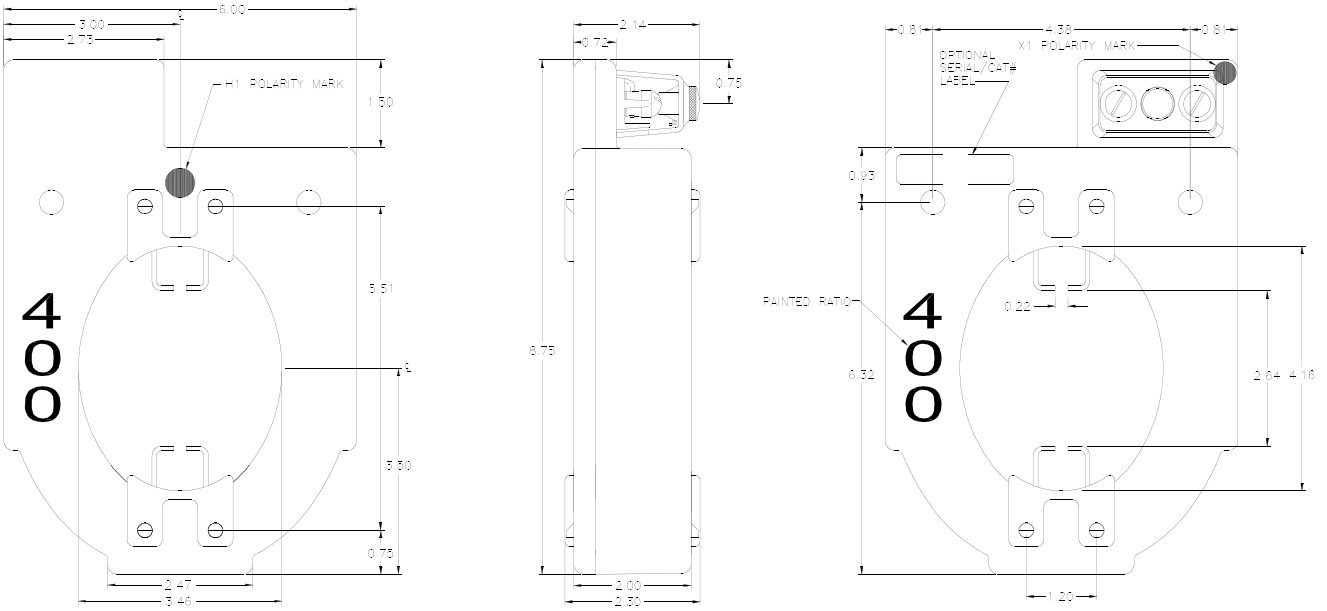
Model JAB-0CV



Construction and Insulation

The core and coil assembly is encapsulated and cast in polyurethane resin. The material has excellent electrical and mechanical properties over a wide temperature range, and is UV resistant. The intended application for this CT is in a secure location where terminal covers and sealing provisions are not required, preferably the locked secondary compartment of a pad-mount transformer.

Core and Coils

The core is made from high quality grain oriented silicon steel, annealed under rigidly controlled factory conditions. The secondary winding is made of heavy enameled copper wire. The secondary windings are evenly distributed around the core for maximum accuracy and resistance to stray fields from adjacent conductors.

Terminals

Secondary terminals are tin plated brass, compression type with a 0.275” diameter cross-hole for wiring and a 1/4-28 clamp screw.

Polarity

H1 and X1 are identified by white dots. Secondary terminals are labled X5, X4, X3, X2, X1.

Primary Conductor

These transformers are primarily intended for installation over the bushing and terminal blade of pad mount transformers, which then forms the primary conductor.

Nameplates

The nameplate is laser engraved aluminum. It is attached to the side of the unit and has provision for attaching the user’s identifying tag. The nominal current rating is on both faces of the unit in large numerals.

Mounting

The transformer can be mounted in any position but is usually installed on the pad mount tranformer terminal blade using the “grabbers”. The transformer also has two mounting holes allowing it to be attached to a mounting bracket.

Maintenance

These transformers require no maintenance, other than occasional cleaning, if installed where air contamination is severe.

For more information, visit
gevernova.com/grid-solutions

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English
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