Grid Solutions

MODEL JAB-AC

Indoor Current Transformer

600 V, 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. 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.

Reference Drawings

Outline 0121C33851

Insulation Level

0.6 kV; BIL 10 kV full wave

Frequency

50-60 Hz

JAB-AC Data Table

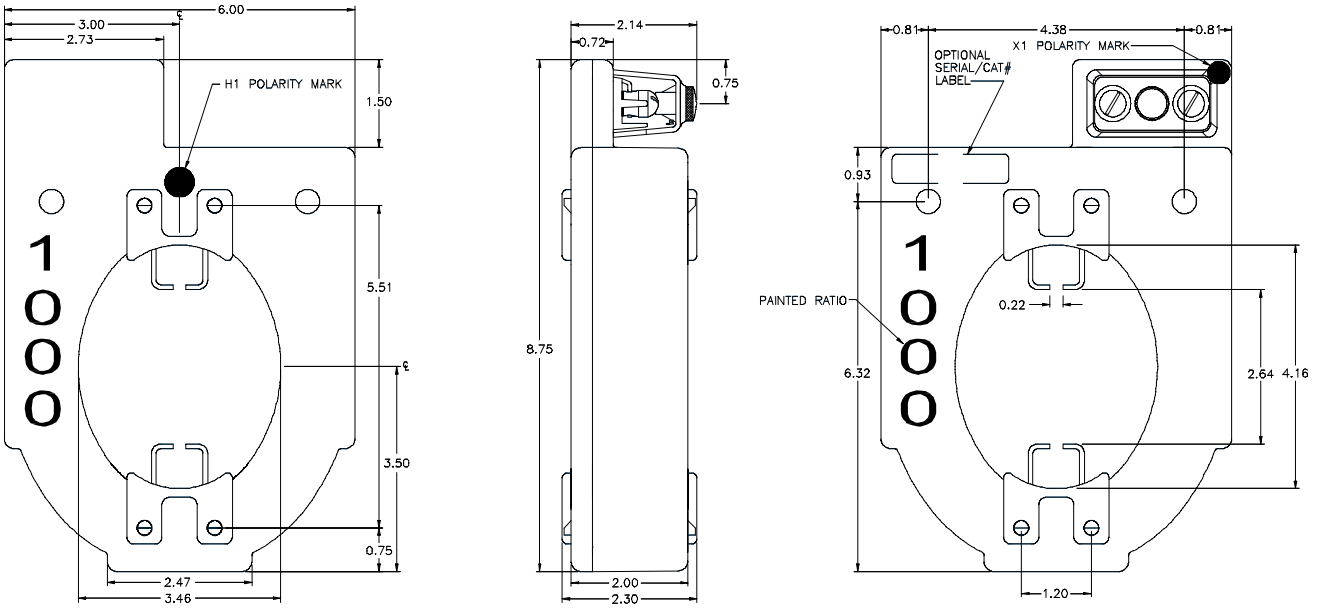
CURRENT RATIO (Amps) PRI: Sec	ANSI ACCURACY CLASS, 60 Hz BURDEN PER ANSI					CONTINUOUS THERMAL CURRENT RATING FACTOR Ψ		CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER)
	B0.1	B0.2	B0.5	E0.04	E0.2	@ 30°C Amb.	@ 55°C Amb.	
800:5	0.15	0.15	0.3	--	--	3.0	2.2	750X136412
1,000:5	0.15	0.15	0.3	0.15	--	2.0	1.5	750X136413
1,200:5	0.15	0.15	0.3	0.15	--	1.5	1.1	750X136414
1,500:5	0.15	0.15	0.3	0.15	0.15	2.0	1.5	750X136415
2,000:5	0.15	0.15	0.15	0.15	0.15	1.0	0.7	750X136416
3,000:5	0.15	0.15	0.15	0.15	0.15	1.0	0.7	750X136417

Notes:

Ψ *A high temperature version is available for use in locations with unusually high ambient temperatures. Consult factory for base plate provisions.*

GE VERNOVA

JAB-AC Dimensions



Construction and Insulation

The core and coil assembly is encapsulated in resin within a molded case. The case is molded with GE Vernova Valox thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range, has low water absorption and is resistant to oil and a variety of chemicals. The polyurethane resin filling completely encapsulates the winding, leads and terminals to form a waterproof unit.

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. A shorting device is provided and interlocked to the terminal cover. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

Polarity

Primary and secondary marks H1, H2 and X1, X2 are molded into the case. In addition, H1 and X1 are identified by white dots.

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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