GE

Energy Connections

Model JAB-0S RevenueSense™

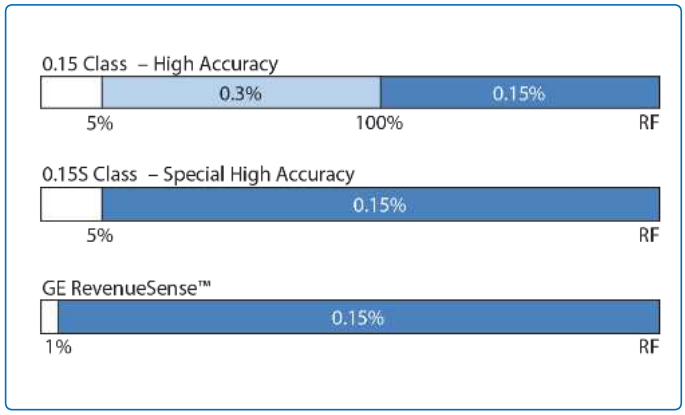
Revenue Metering Current Transformer

Application

RevenueSense™ is a revenue metering current transformer which maintains IEEE 0.15 accuracy class from 1% of rated current up through rating factor. This is accomplished using the specialized amorphous core material which minimizes electrical core losses. The result is an extremely accurate CT that can maintain high accuracy over a extended range of current. Model JAB-0S is designed for indoor service; specifically designed for installation over the secondary bushings of pad-mounted transformers.

Features

- Voltage Class: 0.6 kV
- Frequency: 50-60 Hz
- Window Size: 4.5" x 3.5"
- Insulation Level: 10 kV BIL
- Application: Indoor



Benefits

- Maximize revenue metering accuracy with special high accuracy rating extended beyond IEEE requirements
- Simplify CT selection and billing multipliers, improving productivity and minimizing risk of error
- Reduce inventory and part number requirements, reducing asset and operational costs

Unit Selection

Current Ratio (Amps)	Metering Accuracy	Rating Factor			Hi Temp	Catalog Number
		30°C	55°C	85°C		
600:5	0.15SB0.5[1]	2.0	1.5	--	No	750X336003
800:5	0.15SB0.5[1]	3.0	3.0	--	No	750X336601
1,000:5	0.15SB0.5[1]	2.0	1.5	--	No	750X336001
2,000:5	0.15SB0.5[1]	2.0	1.5	--	No	750X336002
600:5	0.15SB0.2[1]	--	--	2.0	Yes	750X336103
800:5	0.15SB0.5[1]	--	3.0	2.5	Yes	750X336603
1,000:5	0.15SB0.5[1]	--	--	2.0	Yes	750X336101
2,000:5	0.15SB0.5[1]	--	--	1.5	Yes	750X336102

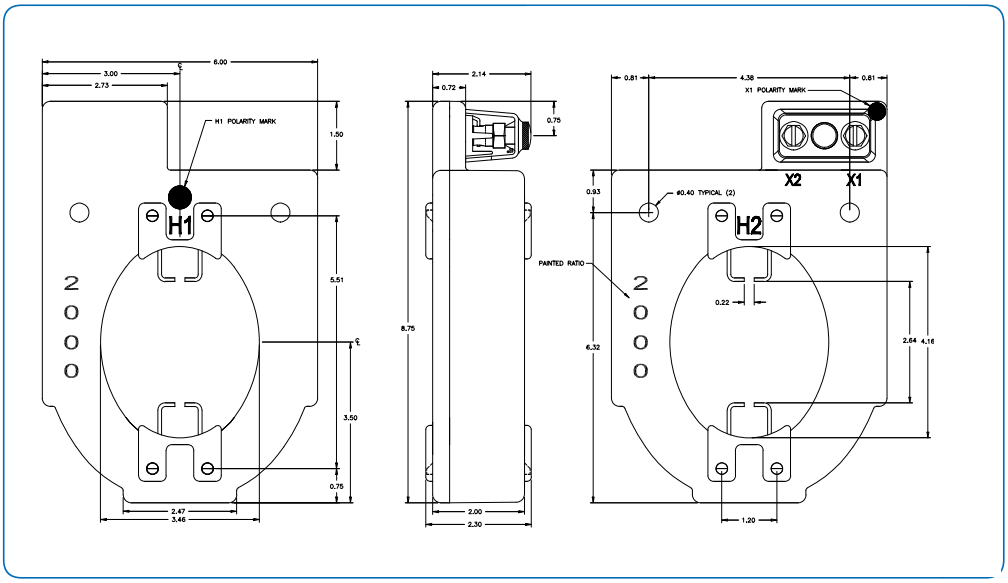
(1) Exceeds IEEE definition for special high accuracy. Maintains 0.15 Accuracy from 1 % to Rating Factor.
(2) Other designs available, upon request. Contact GE for more details.

Reference Drawings

Outline 0121C33851

Weight

Transformer 8.25lbs



Construction and Insulation

The core and coil assembly is encapsulated in resin within a molded case. The case is molded with GE 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. A polyurethane resin filling completely encapsulates the winding, leads and terminals to form a waterproof unit.

Core and Coils

The core is manufactured with high-efficiency material that reduces energy losses, allowing from higher accuracy over a wider range. 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 top 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 transformer terminal blade using the Valox “grabbers”. The grabbers are removable and 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,

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