ELECTROMAGNETIC INDUSTRIES
DIVISION OF OLYMPIC CONTROLS CORPORATION

HIGH ACCURACY CURRENT TRANSFORMERS *MODEL* JAB-0S

FEATURES

- 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.
- Window I.D. – 4.50" x 3.50"
- Designed for direct installation over the secondary bushings of pad-mounted transformers.

600V CLASS

APPLICATION

JAB-0S 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.

SPECIFICATIONS

Frequency…… 50-60Hz
Insulation Class…….. 0.6kV, 10kV BIL Full Wave
Weight……..…….. Approximately 8.25 Lbs.

CONSTRUCTION DETAILS

Construction and Insulation
The core and coil assembly is encapsulated in resin within a molded case. The case is molded with Noryl thermoplastic polystyrene 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 encapsulated 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 for higher accuracy over a wider range. The secondary winding is made of heavy enameled copper wire evenly distributed around the core for maximum accuracy and resistance to stray fields from adjacent conductors.

Terminals
Secondary terminals are non-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.

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

Polarity
The H1 polarity mark is indented into the body, above the window at one end. The X1 polarity mark is also molded into the body adjacent to the secondary terminal. Both marks are white for visibility.

Nameplates
The nameplate is laser engraved aluminum. It is attached to the top of the unit. The nominal current rating is marked on the side of the unit in large numerals.

Mounting
The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It is usually installed on the pad mount transformer terminal blade using the Noryl "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 the occasional cleaning, if installed where air contamination is severe.

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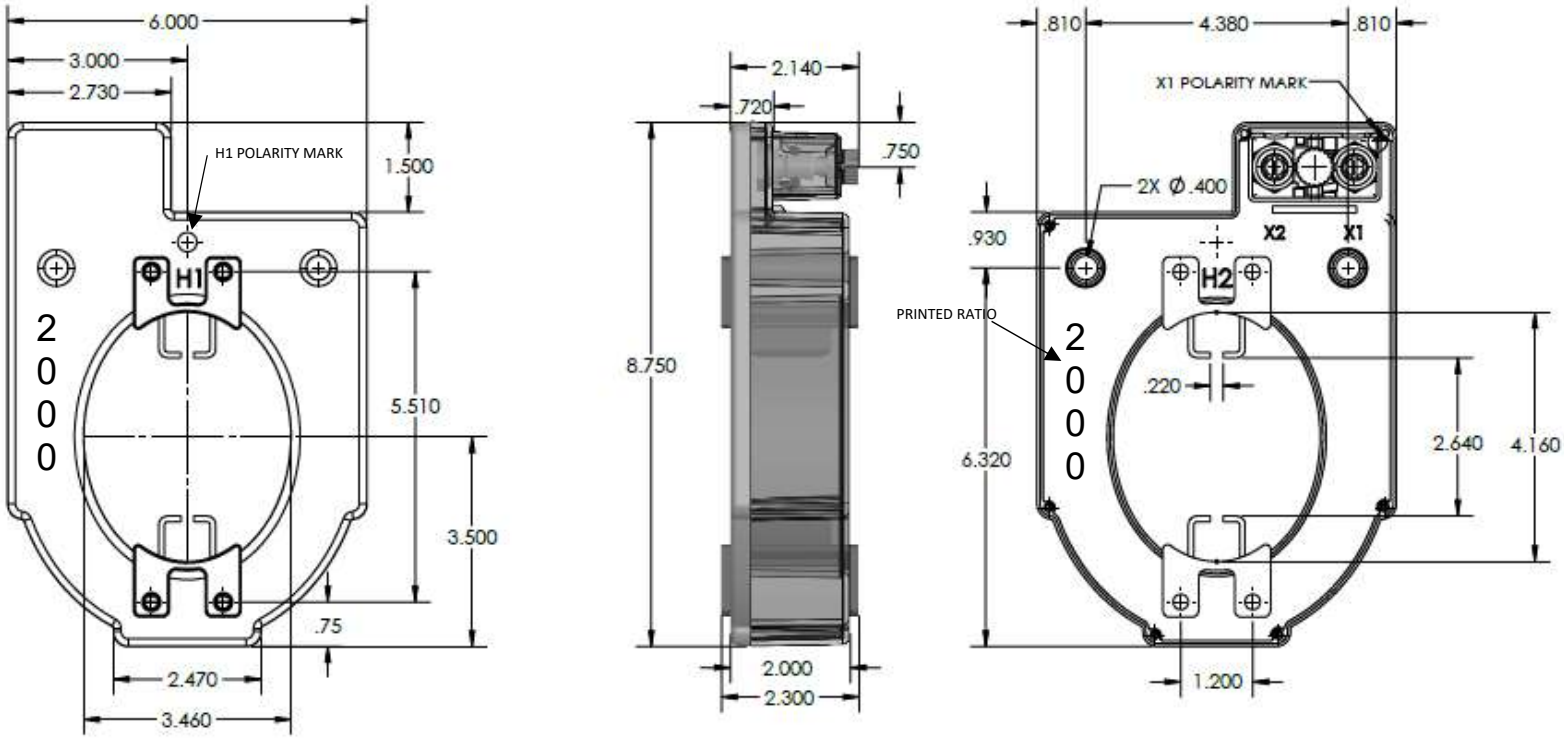
APPLICATION AND ORDERING DATA							
CATALOG NUMBER	CURRENT RATIO (AMPS) PRI:SEC	CONTINUOUS THERMAL RATING FACTOR			WINDOW I.D. (INCHES)	DEPTH (INCHES)	MAX BURDEN FOR 0.15% ACCURACY 1% - RF
		@30°C	@55°C	@85°C			
WINDOW STYLE, NO PRIMARY BAR, SINGLE RATIO							
750X336606	500:5	4.0	3.0	--	4.50 X 3.50	2.30	B0.2
750X336003	600:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5
750X336601	800:5	3.0	3.0	--	4.50 X 3.50	2.30	B0.5
750X336001	1000:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5
750X336002	2000:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5

DIMENSIONS



All Dimensions In Inches