Grid Solutions

MODEL JCT-0C 600 V

Indoor Current Transformer



10 kV BIL
With Integral Primary Bar

Application

Designed for indoor service; suitable for operating meters and instruments, on both single-phase two-wire circuits and poly-phase circuits.

Weight

(Approximate in pounds)

Transformer, without base ..... 7.0 lbs

Low base, add ..... 0.25 lbs

High (EEI) base, add ..... 1.0 lbs

Reference Drawings

Outline 200:5 and 400:5 ..... 0121C33682

Outline 600:5 and 800:5 .....0121C44158

Insulation Level

0.6 kV; BIL 10 kV full wave.

Frequency

50-60 Hz

GE VERNOVA

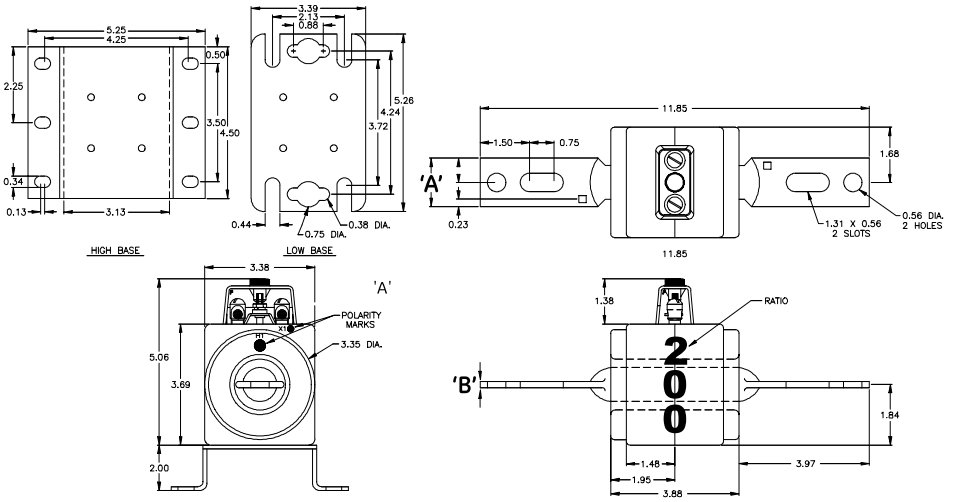
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CURRENT RATIO (Amps) Pri: Sec	ANSI ACCURACY CLASS, 60 Hz BURDEN PER ANSI			CONTINUOUS THERMAL CURRENT RATING FACTOR		CATALOG NUMBER	
	B0.1	B0.2	B0.5	@ 30 °C Amb.	@ 55 °C Amb.	WITH SECONDARY HARDWARE AND COVER	WITHOUT SECONDARY HARDWARE AND COVER
Without Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X123202	750X123102
400:5	0.3	0.3	0.6	2.0	1.5	750X123204	750X123104
600:5	0.3	0.3	0.3	2.0	1.5	750X123206	750X123106
800:5	0.3	0.3	0.3	1.5	1.0	750X123208	750X123108
With Low Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X123212	750X123112
400:5	0.3	0.3	0.6	2.0	1.5	750X123214	750X123114
600:5	0.3	0.3	0.3	2.0	1.5	750X123216	750X123116
800:5	0.3	0.3	0.3	1.5	1.0	750X123218	750X123118
With High (EEI) Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X123222	750X123122
400:5	0.3	0.3	0.6	2.0	1.5	750X123224	750X123124
600:5	0.3	0.3	0.3	2.0	1.5	750X123226	750X123126
800:5	0.3	0.3	0.3	1.5	1.0	750X123228	750X123128

Model JCT-0C

Dimensions in inches

RATIO	BAR DIM "A"	BAR DIM "B"
200:5	1.50	0.20
400:5	2.00	0.25
600:5	2.25	0.28
800:5	2.25	0.28



JCT-QC Dimensions in inches

Construction and Insulation

The core and coil are enclosed in a case 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.

Core and Coil

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

The H1 polarity mark is molded into the case, above the win- dow at one end. The X1 polarity mark is also molded into the case adjacent to the secondary terminal. Both H1 and X1 are marked with white dots.

Primary Bars

Formed from copper tube, they are tin-plated. They are nonremovable and have a potential connector that can be attached above or below the bar at either end. Primary bars conform to ANSI C12.11.

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 marked on both sides of the unit in large numerals.

Baseplate and Mounting

The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It has provision for attaching two optional bases. Low bases are made from stainless steel. The high base increases the transformer height by 2 inches and meets the dimensions specified in ANSI C12.11.

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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