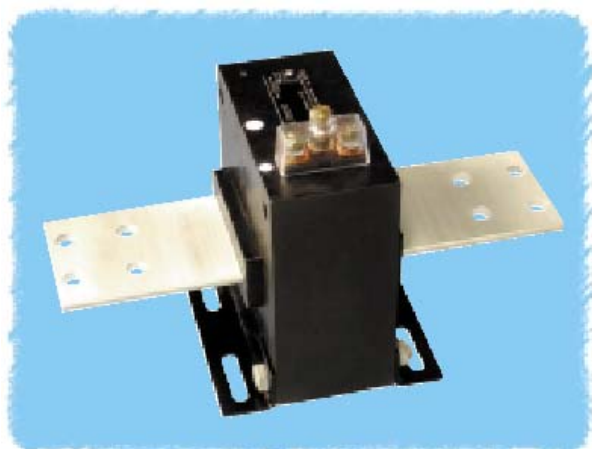




Indoor Current Transformer

Model JCL-0C – 600V, 10kV BIL, 1200 – 4000A

With Integral Primary Bar



APPLICATION

Designed for indoor service; suitable for operating meters, instruments, relays and control devices.

WEIGHT

(approximate)
Transformer, without base34 lbs

REFERENCE DRAWINGS

Outlines0121C33685

INSULATION LEVEL

0.6kV; BIL 10kV full wave.

FREQUENCY

50-60 Hz

JCL-0C DATA TABLE					
Current Ratio (Amps) Pri : Sec	ANSI Accuracy Class, 60Hz Burden Per ANSI	Number of Primary Bars	Continuous Thermal Current Rating Factor		Catalog Number
	B-0.1 through B-1.8		@30°C Ambient	@55°C Ambient	
1200:5	0.3	1	1.5	1.1	750X128003
1500:5		2	1.5	1.1	750X128004
2000:5		2	1.5	1.1	750X128005
3000:5		3	1.33	1.0	750X128007

Construction and Insulation

The core and coil are encapsulated in cast polyurethane resin. This material has excellent electrical and mechanical properties over a wide temperature range, has very low moisture absorption and is resistant to oil and a variety of chemicals.

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 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 primary and secondary polarities are marked with white dots, adjacent to the primary bar and secondary terminal respectively.

Primary Bars

The primary consists of one or more 4" x 1/4" copper bars spaced 1/4" apart passing straight through the transformer and encapsulated by the casting process. The pads are drilled for bolting to a bus and are silver-plated. A potential connection is provided at the H1 end.

Nameplates

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

Base plate and Mounting

The transformer can be mounted in any position and may be suspended from the bus-bar. It is furnished with mounting feet assembled to the bottom edge. These feet can be relocated to any of the four edges as required.

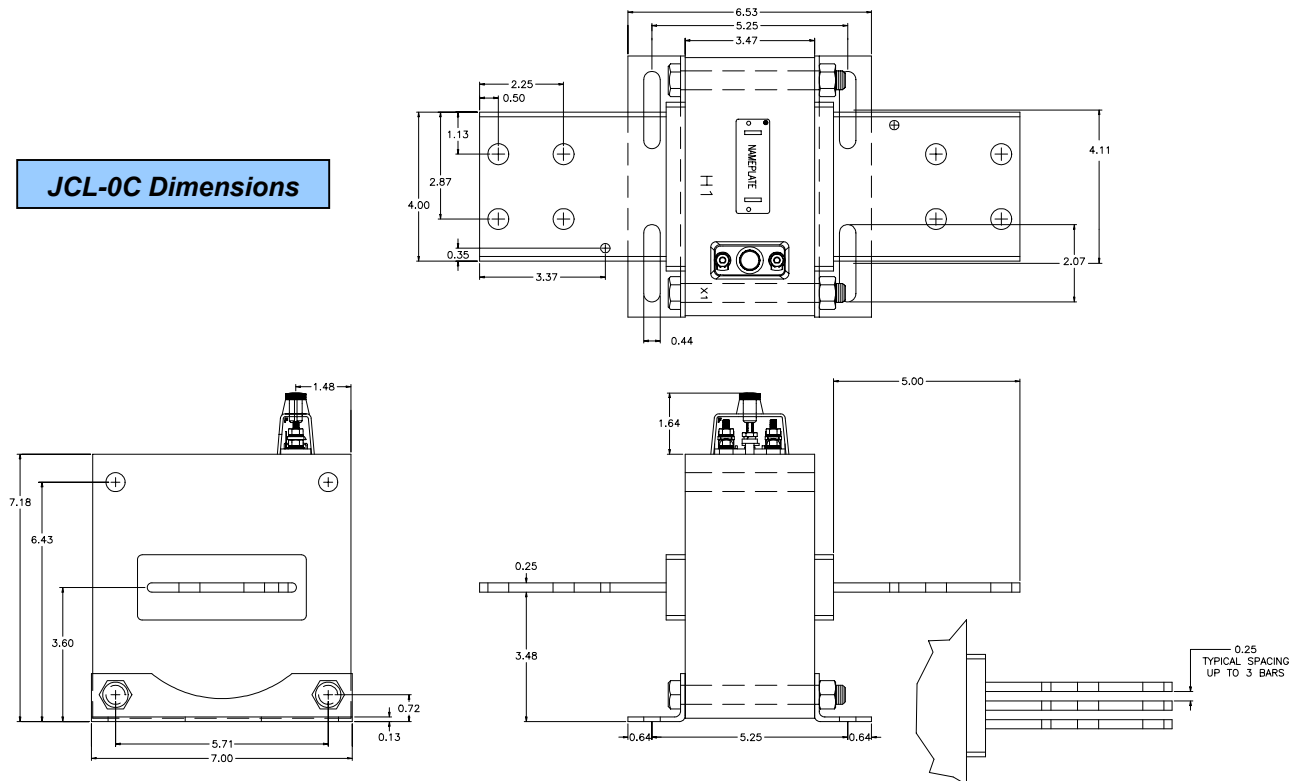
Maintenance

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

Data subject to change without notice

To purchase or obtain more information about GE Instrument Transformer products, please call GE's Charlotte Service Center at 1-800-431-7867. Product information is also available on our web site at <http://www.GEIndustrial.com>. Click on the Product Index button (right column), select Transformers and follow the menus to **Product Information** or a **Solutions Advisor**.

JCL-0C Dimensions



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