

Model CTM-0

Double Bar Indoor Current Transformer 600 V, 10 kV BIL, 50-1,200 A Wound Primary

Application

Designed for indoor service.
Suitable for operating meters, relays and
control devices

Insulation Level

0.6 kV; BIL 10 kV full wave

Frequency

60 Hz

Weight

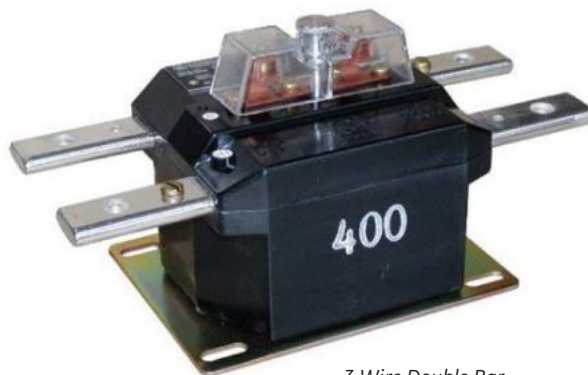
(approximate)9 lbs

Reference Drawings

Outlines

50-400 A0121C42883

500-1,200 A0121C42884



3 Wire Double Bar

Model CTM-0 - Double Bar

Current Ratio (Amps) Pri : Sec	IEEE Accuracy Class, 60 Hz Burden Per IEEE	Continuous Thermal Current Rating Factor	Approval Number from CCAC	Catalog Number
	B0.1 to B0.2	@ 30 °C Amb.		
50/50:5	0.3	1.5	T-156	440-001
100/100:5	0.3	1.5	T-156	440-002
150/150:5	0.3	1.5	T-156	440-003
200/200:5	0.3	1.5	T-156	440-004
300/300:5	0.3	1.5	T-156	440-005
400/400:5	0.3	1.5	T-156	440-006
500/500:5	0.3	1.5	T-286	440-007
600/600:5	0.3	1.5	T-286	440-008
800/800:5	0.3	1.5	T-286	440-009
1,000/1,000:5*	0.3	1.2	T-286	440-010
1,200/1,200:5*	0.3	1.0	T-286	440-011

* For these models please contact factory for availability and approval number from CCAC for revenue metering application.

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Construction and Insulation

The core and coil are encapsulated in polyurethane resin within a molded case. This material has excellent electrical and mechanical properties over a wide temperature range, has very low water 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. 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. A shorting device is provided and interlocked to the terminal cover in such a way as to prevent connection error. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

Primary Bars

The primary terminals are tin plated copper bars.

Polarity

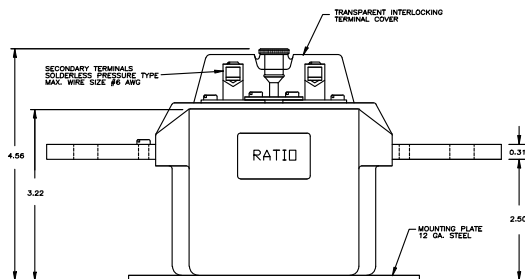
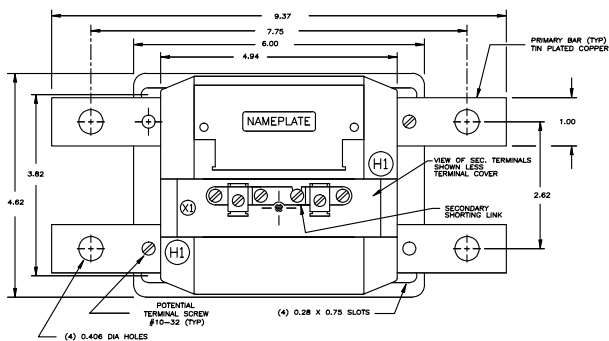
Primary and secondary polarity marks H1, H2 and X1, X2 are molded into the case.

Nameplate

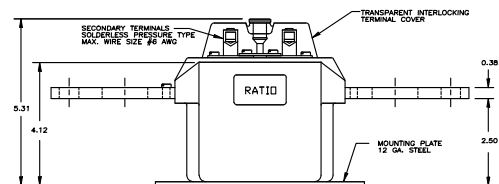
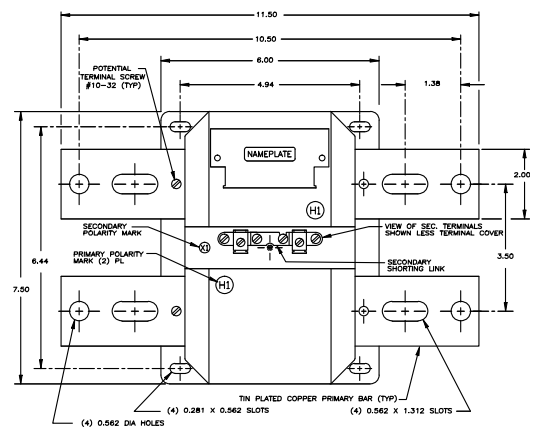
The nameplate is laser engraved aluminum. The nominal current rating of the transformer is marked on the side in large numerals.

Maintenance

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



Current Ratio from 50/50:5 to 400/400:5



Current Ratio from 500/500:5 to 1200/1200:5