

BUSBAR CURRENT TRANSFORMERS

New!

Large, Custom Sizes, UL Listed, 800 to 6000 amps



Overview

Current transformers are devices used to measure current by converting primary alternating current to a safe low voltage (0.333 Vac) output for the measurement of power and energy. Split-core CTBLs allow for installation without disconnecting the primary conductor, a large advantage for bus bar or multi-conductor electrical services.

The CTBL series CTs do not require shorting blocks because they contain an internal secondary burden resistor, so there is no possibility of high voltage on the secondary. The internal burden resistor converts the secondary current (mA) into a safe 0.333 Vac output. The full-scale rated current of the CTBL is determined during calibration by the internal burden resistor. CTBL CTs are intended for energy monitoring with accuracies of 1% of reading from 10% to 100% of rated current.

Bus bar current transformers are designed for large diameter and high current installations. The CTBL series CTs are offered in five standard models and available in custom designs: Sizes up to 12" x 24" windows, up to 6000 amps. The new CTBL Series is UL Listed for field installation in accordance with UL 2808 (XOBA).

Specifications

- **Accuracy:** 1.5% from 10% to 100% of rated current
- **Standard Primary Rating:** 800A, 1200A, 2000A, 3000A
- **Line Frequency:** 50 to 60 Hz
- **Output:** voltage at rated amps: 0.33333 Vac
- **Operating Temperature:** -40°C to +70°C
- **Safe:** integral burden resistor, no shorting block needed
- **Core Material:** silicon-iron
- **Standard Lead Length:** 8 ft, 18 AWG twisted pair, 600 Vac
- **Nylon screws** for secure split-core installation
- UL Listed, XOBA, UL 2808, CAN/CSA-C22.2 No. 61010-1. E363660
- CE, RoHS Compliant, EU Directive 2011/65/EU
- **Custom Designs:** sizes to 12" x 24" windows, to 6000 amps

Models

Model Number	Rated Amps	Opening Width	Opening Height
CTBL-1.5x3.5-0800	800	1.5 inches (38 mm)	3.5 inches (89 mm)
CTBL-4.0x4.0-0800	800	4.0 inches (102 mm)	4.0 inches (102 mm)
CTBL-4.0x4.0-1200	1200	4.0 inches (102 mm)	4.0 inches (102 mm)
CTBL-4.0x4.0-2000	2000	4.0 inches (102 mm)	4.0 inches (102 mm)
CTBL-4.0x4.0-3000	3000	4.0 inches (102 mm)	4.5 inches (114 mm)
CTBL-WxL-Amps (custom)	100 to 6000	1.0 to 12 inches	2.5 to 24 inches

WARNING

This product can expose you to chemicals including Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov

Note: the custom models are specified with the width (W) and height (H) in inches, and the amps (Amps). For example, for 8 inch width, 10 inch height, and 5000 amps: CTBL-8.0x10.0-5000