

ACCURANGE® CURRENT TRANSFORMERS

CBT-S

High accuracy current transformer



The CBT-S bar-type current transformer is designed for use in metering 600 volt circuits and delivers savings through high accuracy and reduced inventory.

Product features

- 600 volt indoor or outdoor
- 10 kV BIL, 60 Hertz
- 0.15% accuracy from 1% nominal current through rating factor
- Available with window or primary bar

Application

The CBT-S bar-type current transformer is designed for use in metering 600 volt circuits, typically installed inside of a transocket, and is applicable to single or polyphase low voltage circuits.

Extended range metering

AccuRange current transformers deliver high accuracy and stable performance over a wide load swing, making them a great fit for variable load applications. Accuracy is guaranteed to be 0.15% from 1% of nominal current through rating factor. These units deliver savings through improved accuracy metering and reduced inventory.

Construction and insulation

The ring-type core and fully distributed winding are assembled to a glass-filled polypropylene window liner. The insulating material is permanently molded to the core and coil assembly, resulting in a compact

unit with improved mechanical, thermal, and dielectric characteristics.

Primary bar

The optional primary copper bar is electro-tin plated and can be rotated for convenient positioning of the transformer. It is equipped with a potential terminal suitable for #6 to #14 wire.

Secondary terminals and cover

The CBT-S is supplied with embedded compression-type secondary terminals, a short circuit device, and a clear, rectangular snap-on cover suitable for locking with a meter seal. This clear plastic cover allows a visual check of connections and is keyed to ensure the shorting clip is across the terminals when no wires are connected. This safety feature avoids dangerous voltages across the secondary terminals if the primary is energized. Terminals accommodate #14-6 wire and can also serve as a post-type connector by looping wire under the screw head.

Base

The optional base is constructed of corrosion-resistant aluminum and secured to the encapsulated base support by four symmetrically located screws. Units ordered without a base are not equipped for mounting.

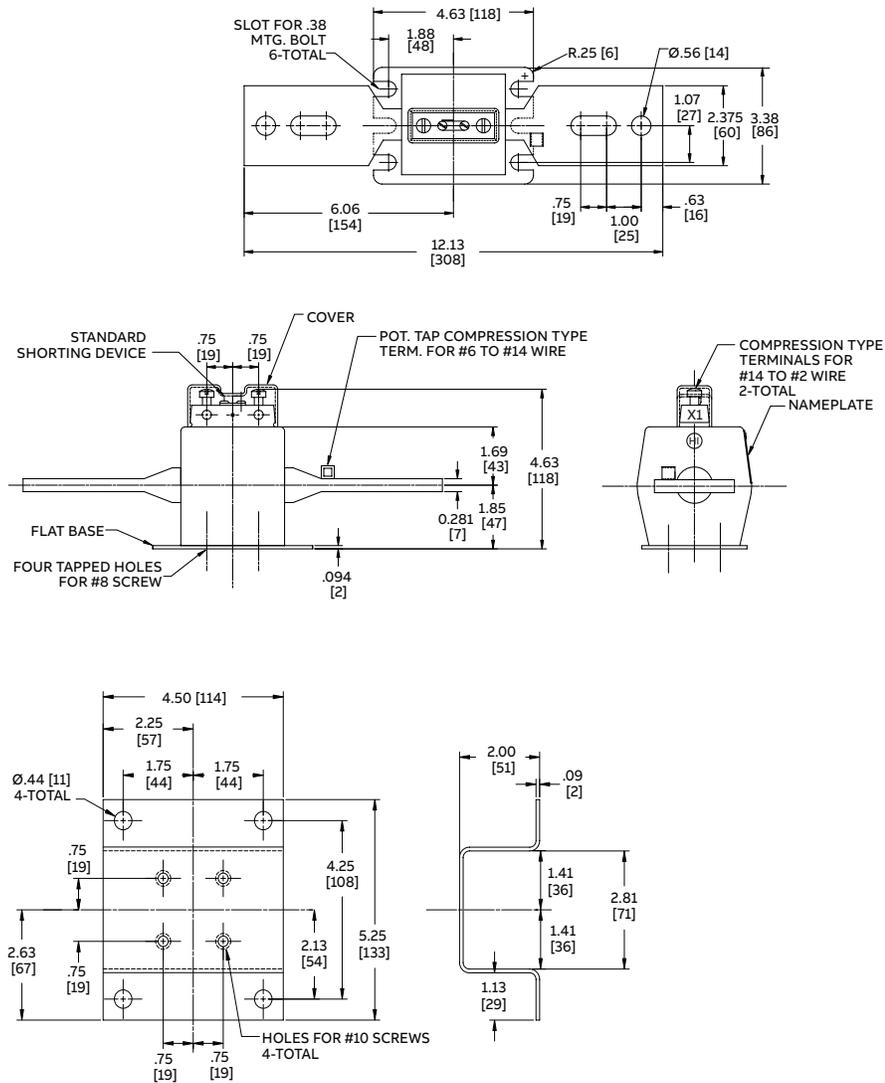
Test reports

Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards

This unit meets or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

Dimensions (inches [mm])



Baseplate

CBT-S selection guide

| | Primary ampere rating | Rating factor | | Metering accuracy | Style number | | | Approximate weight (lb.) |
|---------------------|--------------------------|---------------|-------|----------------------|--------------|------------|------------|-----------------------------|
| | | 30° C | 55° C | | No base | Flat base | High base | |
| With primary bar | 600 | 2.0 | 1.5 | 0.15S B-0.2 | 923A496G01 | 923A496G02 | 923A496G03 | 6.5 |
| Without primary bar | 600 | 2.0 | 1.5 | 0.15S B-0.2 | 923A516G01 | 923A516G02 | 923A516G03 | 4.0 |