



COS 600V Metering CT

Applications

600V metering current transformers are used in a variety of commercial metering applications where revenue class metering is necessary for billing purposes. The COS is specifically designed for meter cabinet enclosures.

High Accuracy, Extended Range

High accuracy, extended range current transformers exceed the IEEE 0.15S accuracy standard. These CTs meet or exceed every 600V metering class CT in the industry with an accuracy of 0.15% from 1% of nominal current through rating factor. The COS is also available in standard accuracy.



Construction

The core is constructed from wound layers of high accuracy, low loss electrical grade steel. The core is evenly wound with enamel coated copper wire to ensure against potential short circuits. The core and coil assembly is encapsulated in polyurethane specifically engineered for premium dielectric, mechanical and thermal properties for indoor and outdoor applications.

Test Reports

Each COS has a unique serial number which allows the customer to track each test record. Certified test reports are stored electronically and provided with every shipment.

Specifications

Insulation: 600V, 10kV BIL

Frequency: 60 Hz

Environment: Indoor/outdoor

Standards: IEEE C57.13-2016

RUS: The COS is RUS Listed

AccuGrid™ Easy

- Ready to ship within 24 hours
- The industry's only 10-year warranty on instrument transformers
- Highest rating factors, temperature performance, and accuracies
- The broadest portfolio to match or replace any legacy brand
- Solid dielectric construction for extended outdoor life

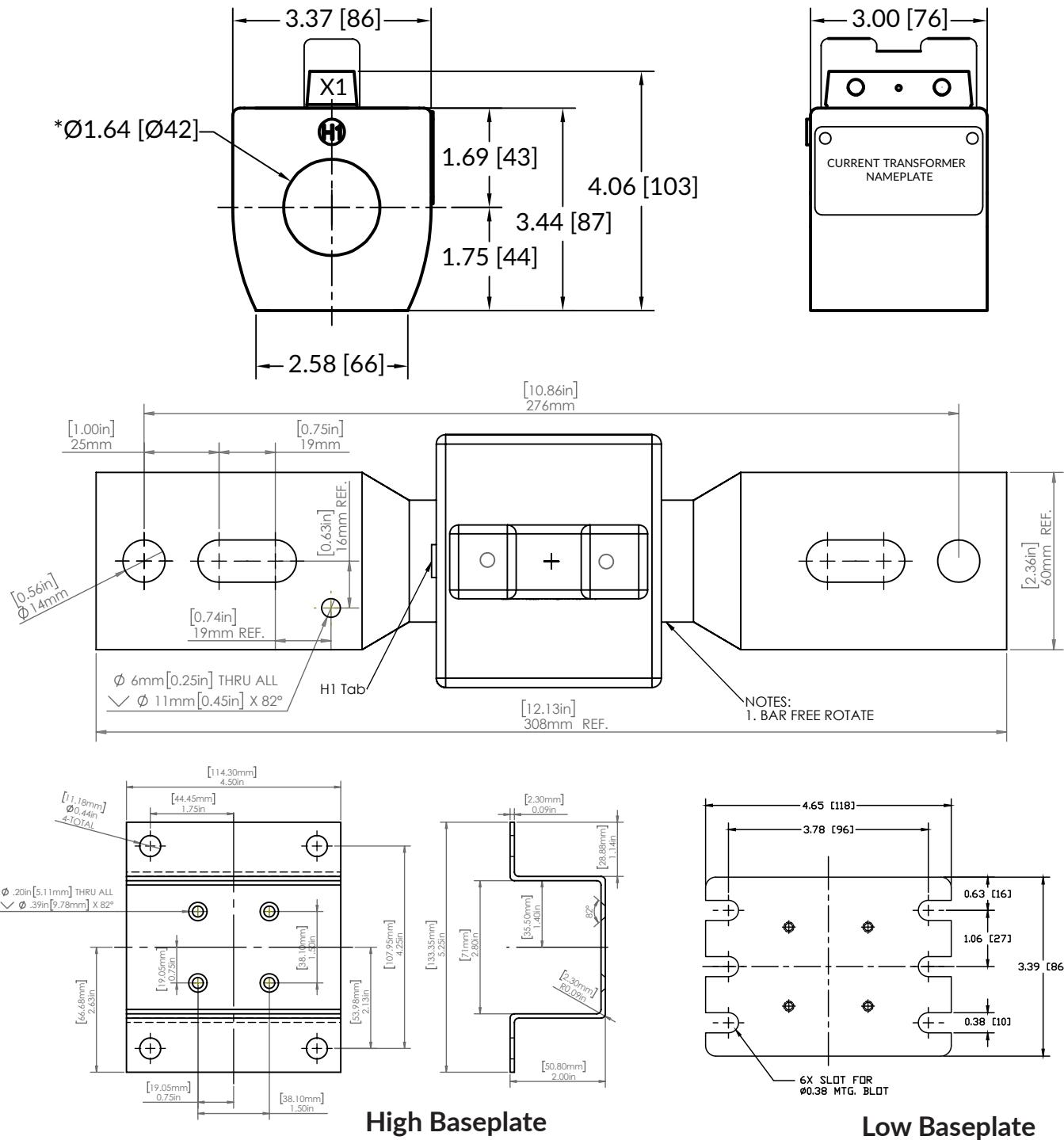
Cross Reference

ABB CBT-S, Arteche IRH-1, GE JCT-0S, GEC Durham Type TCB,
Ritz DCAW/DCAB

Last revised: June 23, 2025

Photo by Fré Sonneveld on Unsplash

Dimensions



Metric dimensions displayed in [mm]

*Diameter = 1.07" [27.2 mm] on
COS0200SNN and COS0400SNN



Bolted Bar



Pressed Bar

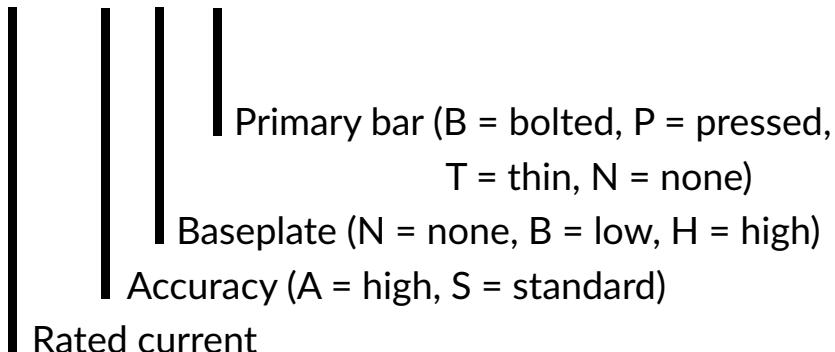
Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor	
High Accuracy	Ratio		30° C	55° C
COS0300ANN	300:5	0.15SB-0.1	3.0	2.2
COS0600ANN	600:5	0.15SB-0.2	2.0	1.5
Standard Accuracy	Ratio		30° C	55° C
COS0200SNN	200:5	0.3B-0.2	2.0	1.5
COS0200SNN-X	200:5	0.3B-0.1	3.0	2.2
COS0400SNN	400:5	0.3B-0.2	2.0	1.5

Other ratios available upon request

Key to Selection Guide

COS 0600 X X X



Notes

High accuracy extended range units exceed the 0.15S class.
Accurate from 1% of rated current to rating factor.

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