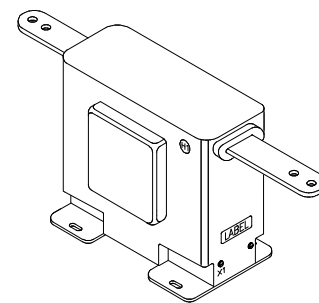


MODEL CTWH5-S-110

Wound Primary Current Transformer Medium Voltage



REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.

Application

For switchgear, extra high short circuit strength.

Frequency

50-400 Hz.

Maximum System Voltage

15.5 kV, BIL 110 kV.

Continuous Thermal Current Rating Factor

5:5 thru 600:5 -
1.50 at 30°C., 1.33 at 55°C

800:5 and over -

1.00 at 30°C., 0.80 at 55°C

Specifications

Primary terminals are plated copper bars. See chart next page for sizes. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

Vacuum cast in polyurethane resin. Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 75 lbs.

Model CTWH5-S-110

| CATALOG NUMBER*** | CURRENT RATIO | RELAY CLASS | ANSI METERING CLASS AT 60 Hz | | | | | *THERMAL CURRENT RATING 1 SECOND rms Amps | **THERMAL CURRENT RATING 1 SECOND rms Amps |
|-------------------|---------------|-------------|------------------------------|------|------|------|------|--|---|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | | |
| CTWH5-S-110-400 | 40:5 | T20 | 1.2 | - | - | - | - | 49,000 | 10,200 |
| CTWH5-S-110-500 | 50:5 | T30 | 0.6 | 2.4 | - | - | - | 49,000 | 12,500 |
| CTWH5-S-110-750 | 75:5 | T45 | 0.6 | 1.2 | 2.4 | - | - | 49,000 | 11,800 |
| CTWH5-S-110-101 | 100:5 | T60 | 0.6 | 0.6 | 1.2 | 2.4 | - | 49,000 | 15,900 |
| CTWH5-S-110-151 | 150:5 | T100 | 0.3 | 0.3 | 0.6 | 1.2 | 2.4 | 49,000 | 23,900 |
| CTWH5-S-110-201 | 200:5 | T120 | 0.3 | 0.3 | 0.3 | 0.6 | 1.2 | 49,000 | 30,000 |
| CTWH5-S-110-301 | 300:5 | T100 | 0.3 | 0.3 | 0.3 | 1.2 | 2.4 | 66,200 | 47,800 |
| CTWH5-S-110-401 | 400:5 | T80 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 66,200 | 51,200 |
| CTWH5-S-110-601 | 600:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66,200 | 60,000 |
| CTWH5-S-110-801 | 800:5 | T120 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66,200 | 60,000 |
| CTWH5-S-110-102 | 1,000:5 | T150 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66,200 | 66,200 |
| CTWH5-S-110-122 | 1,200:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 66,200 | 66,200 |

*With a burden of B0.2 or greater connected to the secondary.

**With secondary short circuited.

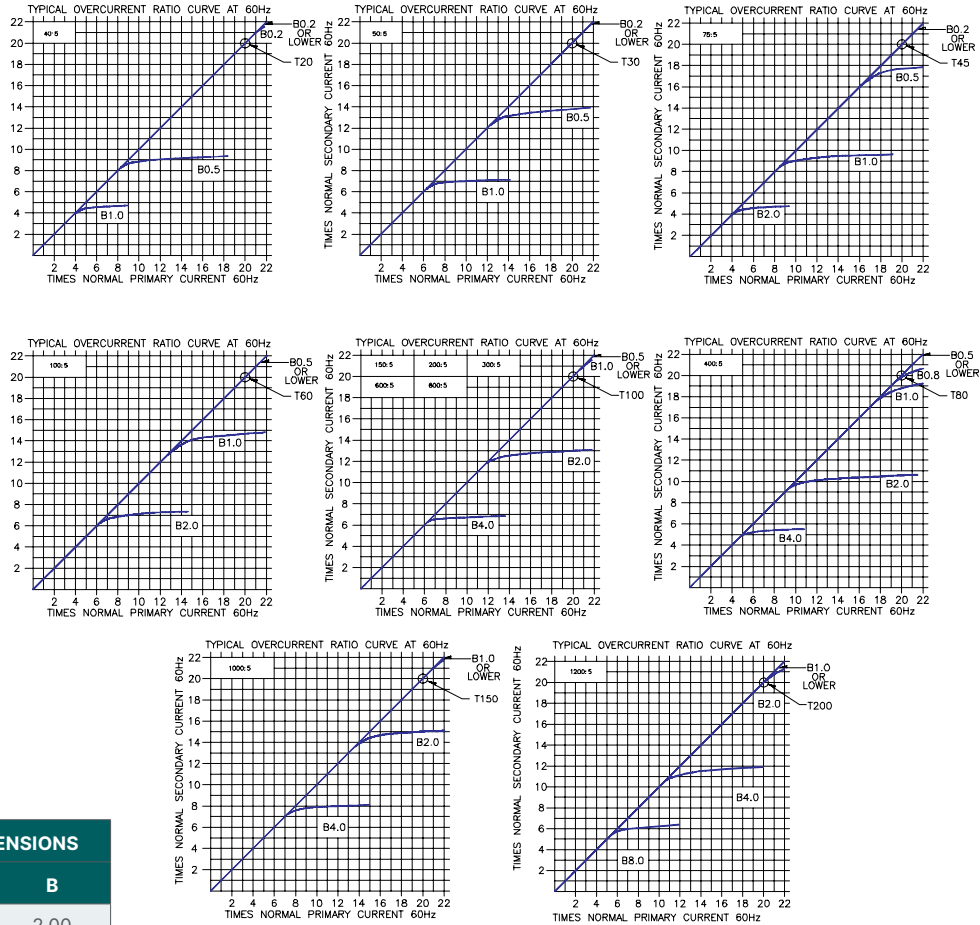
***A test card is provided with each unit.



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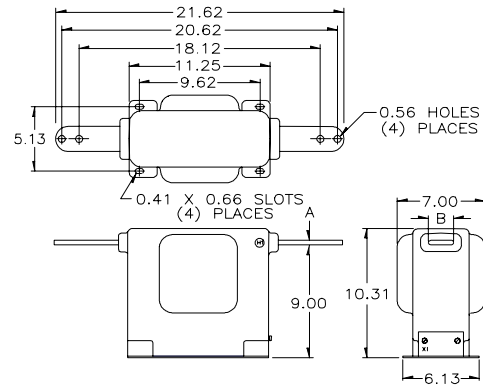
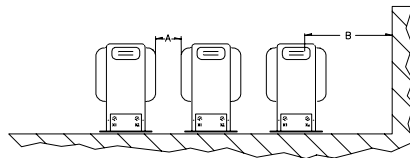


Model CTWH5-S-110 Wound Primary CT



Bar Sizes

| PRIMARY CURRENT | DIMENSIONS | |
|-----------------|------------|------|
| | A | B |
| 40 to 150 A | 0.25 | 2.00 |
| 200 to 1,200 A | 0.38 | 2.00 |



RECOMMENDED MINIMUM SPACINGS

A = Unit to Unit = 1.50" minimum.

B = HV to Ground in Air = 6.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

For more information, visit
gevernova.com/grid-solutions

Instrument Transformers LLC reserve the right to change specifications of described products at any time without notice and without obligation to notify any person of such changes.



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English
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