

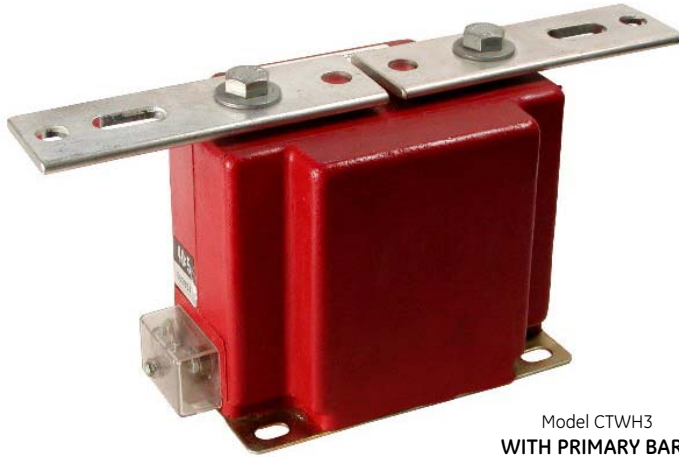
# Medium Voltage Current Transformer

## Models CTW3-60-T50 & CTWH3-60-T50 *Wound Primary CT*

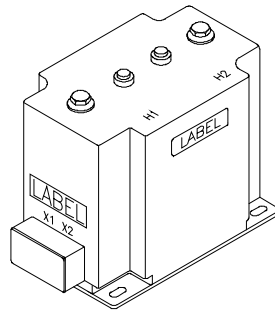
REGULATORY AGENCY APPROVALS



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



Model CTWH3  
WITH PRIMARY BARS



Model CTW3  
WITHOUT PRIMARY BARS

### APPLICATION:

Metering and relaying.

### FREQUENCY:

50-400 Hz.

### MAXIMUM SYSTEM VOLTAGE:

5.6kV, BIL 60kV.

### CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.5 at 30°C amb., 1.33 at 55°C. amb.

150:5 and 600:5- 1.33 at 30°C. amb., 1.00 at 55°C. amb.

250:5- 1.00 at 30°C. amb., 0.85 at 55°C. amb.

Primary terminals are 1/2-13 bolts with one Belleville washer. Secondary terminals are brass studs No. 10-32 with one flatwasher, lockwasher and regular nut.

Supplied with short circuiting secondary terminal cover. Vacuum cast polyurethane resin.

Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 20 lbs.

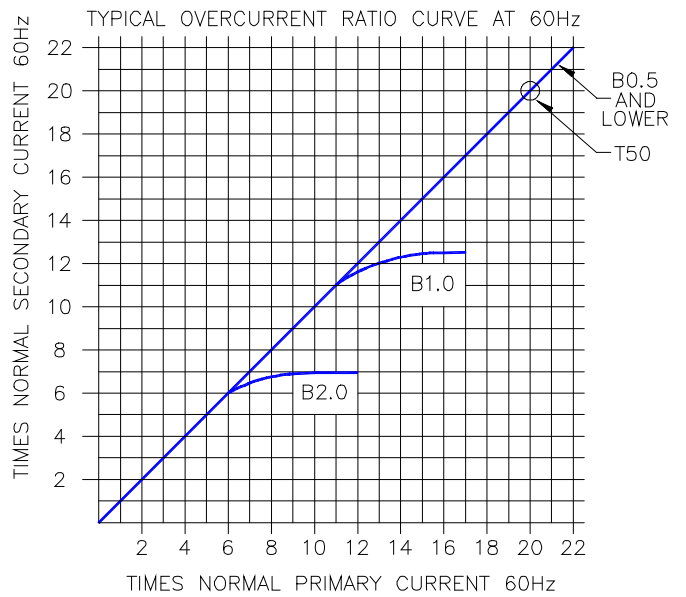
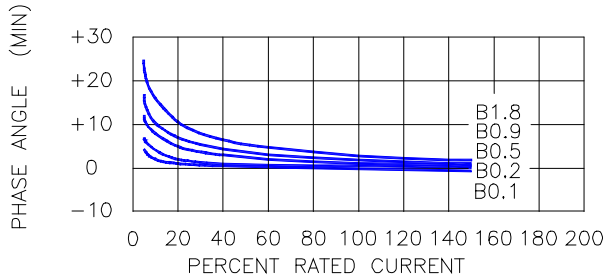
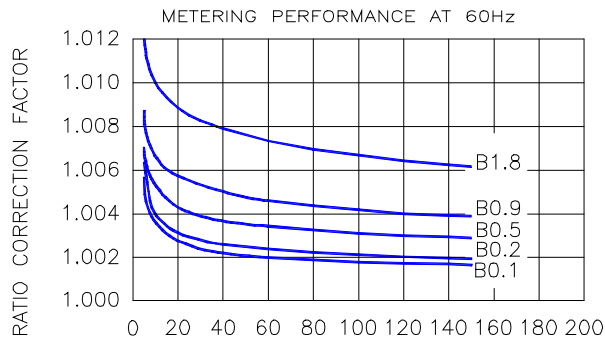
**CAUTION: Use only the Belleville washers Supplied. Tighten to between 25 to 30 foot-pounds. DO NOT OVERTIGHTEN**

| CATALOG NUMBER  | CURRENT RATIO | RELAY CLASS | ANSI METERING CLASS<br>AT 60HZ |      |      |      |      | ** THERMAL<br>CURRENT RATING<br>1 SECOND<br>RMS AMPS |
|-----------------|---------------|-------------|--------------------------------|------|------|------|------|--|
|                 |               |             | BO.1                           | BO.2 | BO.5 | BO.9 | B1.8 |  |
| CTW3-60-T50-050 | 5:5           | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 375  |
| CTW3-60-T50-100 | 10:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 1000   |
| CTW3-60-T50-150 | 15:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 1690   |
| CTW3-60-T50-200 | 20:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 1900   |
| CTW3-60-T50-250 | 25:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 2700   |
| CTW3-60-T50-300 | 30:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 2700   |
| CTW3-60-T50-400 | 40:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 4720   |
| CTW3-60-T50-500 | 50:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 4720   |
| CTW3-60-T50-750 | 75:5          | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 8630   |
| CTW3-60-T50-101 | 100:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 8630   |
| CTW3-60-T50-151 | 150:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 14380  |
| CTW3-60-T50-201 | 200:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 17250  |
| CTW3-60-T50-251 | 250:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 17250  |
| CTW3-60-T50-301 | 300:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 37800  |
| CTW3-60-T50-401 | 400:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 37800  |
| CTW3-60-T50-501 | 500:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 37800  |
| CTW3-60-T50-601 | 600:5         | T50         | 0.3                            | 0.3  | 0.3  | 0.6  | 1.2  | 37800  |

\* For ordering with primary bars, change model number to CTWH3.

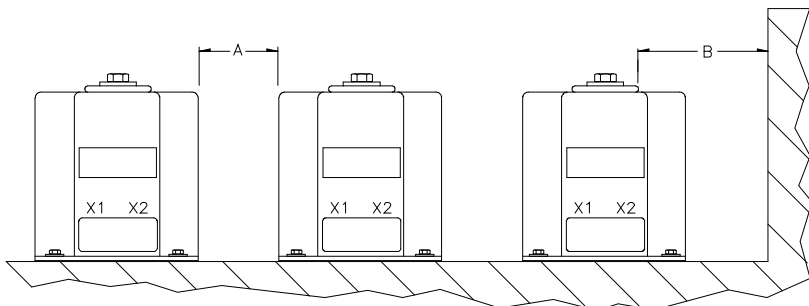
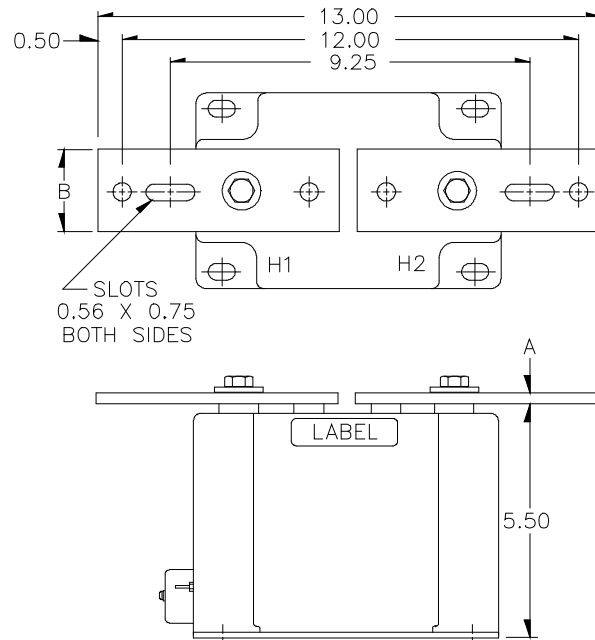
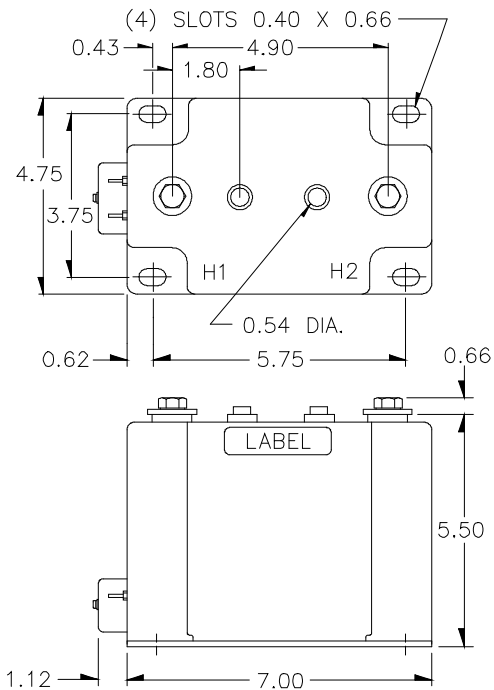
\*\*With a burden of BO.1 or greater connected to the secondary.

# Models CTW3-60-T50 & CTWH3-60-T50 Wound Primary CT



| BAR SIZES       |            |      |
|-----------------|------------|------|
| PRIMARY CURRENT | DIMENSIONS |      |
|                 | A          | B    |
| 5 TO 150A       | 0.19       | 1.50 |
| 200 TO 600A     | 0.25       | 2.00 |

### WITH PRIMARY BARS



### RECOMMENDED MINIMUM SPACINGS

- A = Unit to Unit = 0.75" minimum.
- B = HV to Ground in Air = 3.00" 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.