

# MODEL CTW6-125

## Wound Primary Current Transformer Medium Voltage



### REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by U.L. in accordance with IEC 44-1

### Application

Metering and relaying.

### Frequency

50-400 Hz

### Maximum System Voltage

25.5 kV, BIL 125 kV full wave.

### Continuous Thermal Rating Factor

1.50 at 30°C., 1.33 at 55°C.

Primary terminals 1/2-13 bolts with one Belleville washer.

Secondary terminals are brass screws No. 10 -32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Approximate weight: T100 - 95 lbs.

T200 - 115 lbs.



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**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 AT 60 Hz |      |      |      |      | **THERMAL CURRENT RATING<br>1 SECOND rms Amps |
|-------------------|---------------|-------------|------------------------------|------|------|------|------|-----------------------------------------------|
|                   |               |             | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |                                               |
| CTW6-125-T100-100 | 10:5          | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 900*                                          |
| CTW6-125-T100-150 | 15:5          | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 1,700*                                        |
| CTW6-125-T100-250 | 25:5          | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 2,700*                                        |
| CTW6-125-T100-500 | 50:5          | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 4,700*                                        |
| CTW6-125-T100-750 | 75:5          | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 12,900*                                       |
| CTW6-125-T100-101 | 100:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 12,900*                                       |
| CTW6-125-T100-151 | 150:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 23,000*                                       |
| CTW6-125-T100-201 | 200:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 28,200*                                       |
| CTW6-125-T100-301 | 300:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 48,900*                                       |
| CTW6-125-T100-401 | 400:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 66,200*                                       |
| CTW6-125-T100-601 | 600:5         | T100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 66,200*                                       |

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

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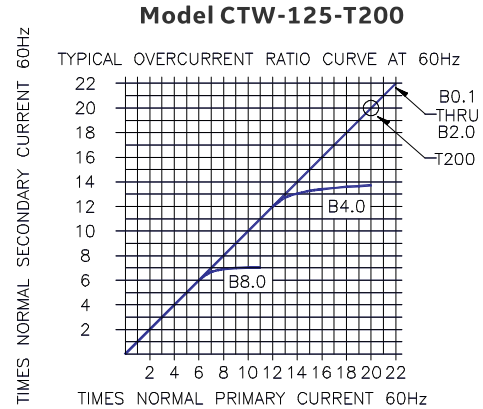
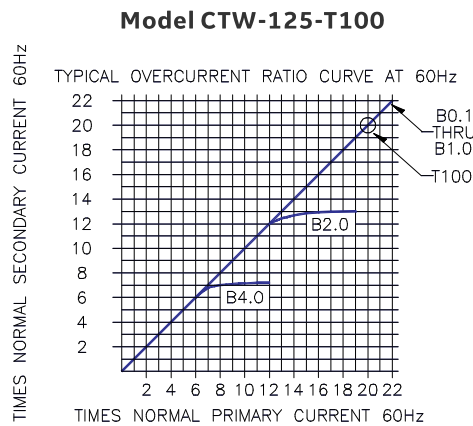
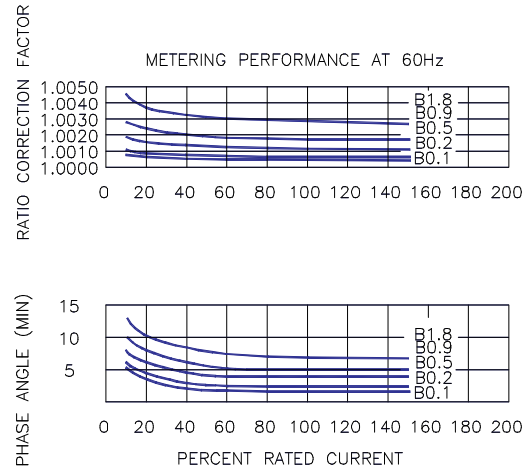
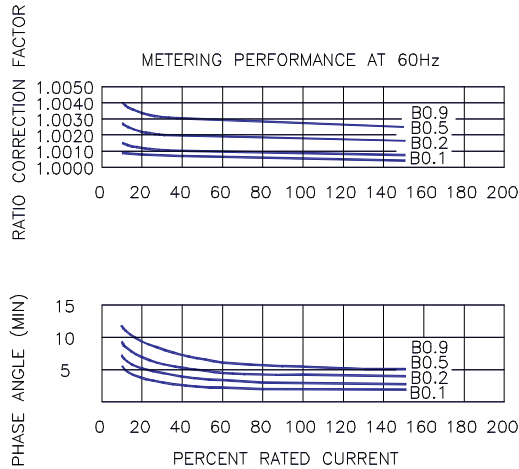
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|                   |               |             | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |                                               |
| CTW6-125-T200-100 | 10:5          | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 900*                                          |
| CTW6-125-T200-150 | 15:5          | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1,700*                                        |
| CTW6-125-T200-250 | 25:5          | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 2,700*                                        |
| CTW6-125-T200-500 | 50:5          | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 4,700*                                        |
| CTW6-125-T200-750 | 75:5          | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 12,900*                                       |
| CTW6-125-T200-101 | 100:5         | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 12,900*                                       |
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| CTW6-125-T200-201 | 200:5         | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 28,200*                                       |
| CTW6-125-T200-301 | 300:5         | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 48,900*                                       |
| CTW6-125-T200-401 | 400:5         | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 66,200*                                       |
| CTW6-125-T200-601 | 600:5         | T200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 66,200*                                       |

\*\*With a burden of B0.5 or greater connected to the secondary.



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## Model CTW6-125 Wound Primary CT



### RECOMMENDED MINIMUM SPACINGS

**A** = HV to HV = 8.50" minimum.

**B** = HV to Ground in Air = 8.50" minimum.

**C** = Unit to Unit = 2.00" 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.

