



Instrument Transformers, Inc.

a division of GE Multilin



Current Transformer Model 500 Split Core

Window Sizes Available up to 10"x 30"

REGULATORY AGENCY APPROVALS



E93779



LR89403

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



APPLICATION:

Metering.

FREQUENCY:

50-400 Hz.

INSULATION LEVEL:

0.6 kV, BIL 10 kV full wave.

**CONTINUOUS THERMAL
CURRENT RATING FACTOR:**

1.33 at 30°C. amb., 1.0 at 55°C. amb.

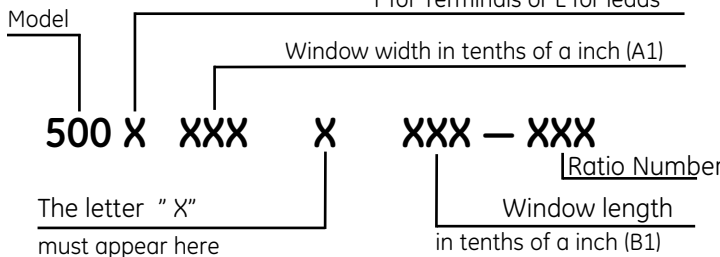
Terminals are 8-32 brass studs with one flatwasher, lockwasher, and regular nut.

Flexible leads are UL 1015, 105°C, CSA approved, #16 AWG, 24" long are available.

Approximate Weight 8 to 18 lbs.

HOW TO ORDER RECTANGULAR C.T.'S

T for Terminals or L for leads



Example: 500T041 X 117-122

The accuracy table below is for 500T041 X 117. Accuracy for other sizes are available from the factory. The dimensions in the table at right are standard sizes. Other window lengths (B1) may be accommodated on special order. Window widths (A1) other than those listed are not available.

| RATIO NUMBER | RATIO | ACCURACY CLASS WITH U.P.F BURDEN |
|--------------|--------|----------------------------------|
| 301 | 300:5 | 5 % @ 1.5VA |
| 401 | 400:5 | 3 % @ 2.5VA |
| 501 | 500:5 | 2 % @ 2.5VA |
| 601 | 600:5 | 1 % @ 4.0VA |
| 751 | 750:5 | 1 % @ 5.0VA |
| 801 | 800:5 | 1 % @ 5.0VA |
| 102 | 1000:5 | 1 % @ 7.5VA |
| 122 | 1200:5 | 1 % @ 10.0VA |
| 152 | 1500:5 | 1 % @ 12.5VA |
| 202 | 2000:5 | 1 % @ 15.0VA |
| 252 | 2500:5 | 1 % @ 25.0VA |
| 302 | 3000:5 | 1 % @ 25.0VA |
| 352 | 3500:5 | 1 % @ 25.0VA |
| 402 | 4000:5 | 1 % @ 25.0VA |
| 502 | 5000:5 | 1 % @ 30.0VA |
| 602 | 6000:5 | 1 % @ 40.0VA |

| DIMENSIONS | | | | | | MAX. RATIO |
|------------|------|------|------|------|------|------------|
| "A1" | "A2" | "A3" | "B1" | "B2" | "B3" | |
| 4.1 | 6.4 | 7.3 | 7.1 | 10.0 | 10.9 | 4000:5 |
| 4.1 | 6.4 | 7.3 | 11.7 | 14.5 | 15.4 | 8000:5 |
| 4.1 | 6.4 | 7.3 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 4.1 | 6.4 | 7.3 | 18.1 | 21.0 | 21.9 | 8000:5 |
| 4.1 | 6.4 | 7.3 | 24.0 | 27.0 | 27.9 | 10000:5 |
| 4.1 | 6.4 | 7.3 | 30.1 | 33.0 | 33.9 | 10000:5 |
| 5.1 | 7.2 | 8.3 | 7.1 | 10.0 | 10.9 | 8000:5 |
| 5.1 | 7.2 | 8.3 | 11.7 | 14.5 | 15.4 | 8000:5 |
| 5.1 | 7.2 | 8.3 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 5.1 | 7.2 | 8.3 | 18.1 | 21.0 | 21.9 | 8000:5 |
| 5.1 | 7.2 | 8.3 | 24.0 | 27.0 | 27.9 | 10000:5 |
| 5.1 | 7.2 | 8.3 | 30.1 | 33.0 | 33.9 | 10000:5 |
| 5.8 | 7.0 | 9.0 | 7.1 | 10.0 | 10.9 | 4000:5 |
| 5.8 | 7.0 | 9.0 | 11.7 | 14.5 | 15.4 | 8000:5 |
| 5.8 | 7.0 | 9.0 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 5.8 | 7.0 | 9.0 | 18.1 | 21.0 | 21.9 | 8000:5 |
| 5.8 | 7.0 | 9.0 | 24.0 | 27.0 | 27.9 | 10000:5 |
| 5.8 | 7.0 | 9.0 | 30.1 | 33.0 | 33.9 | 10000:5 |
| 8.0 | 9.5 | 11.1 | 7.1 | 10.0 | 10.9 | 4000:5 |
| 8.0 | 9.5 | 11.1 | 11.7 | 14.5 | 15.4 | 8000:5 |
| 8.0 | 9.5 | 11.1 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 8.0 | 9.5 | 11.1 | 18.1 | 21.0 | 21.9 | 8000:5 |
| 8.0 | 9.5 | 11.1 | 24.0 | 27.0 | 27.9 | 10000:5 |
| 8.0 | 9.5 | 11.1 | 30.1 | 33.0 | 33.9 | 10000:5 |
| 10.1 | 11.6 | 13.2 | 7.1 | 10.0 | 10.9 | 4000:5 |
| 10.1 | 11.6 | 13.2 | 11.7 | 14.5 | 15.4 | 8000:5 |
| 10.1 | 11.6 | 13.2 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 10.1 | 11.6 | 13.2 | 18.1 | 21.0 | 21.9 | 10000:5 |
| 10.1 | 11.6 | 13.2 | 24.0 | 27.0 | 27.9 | 10000:5 |
| 10.1 | 11.6 | 13.2 | 30.1 | 33.0 | 33.9 | 10000:5 |

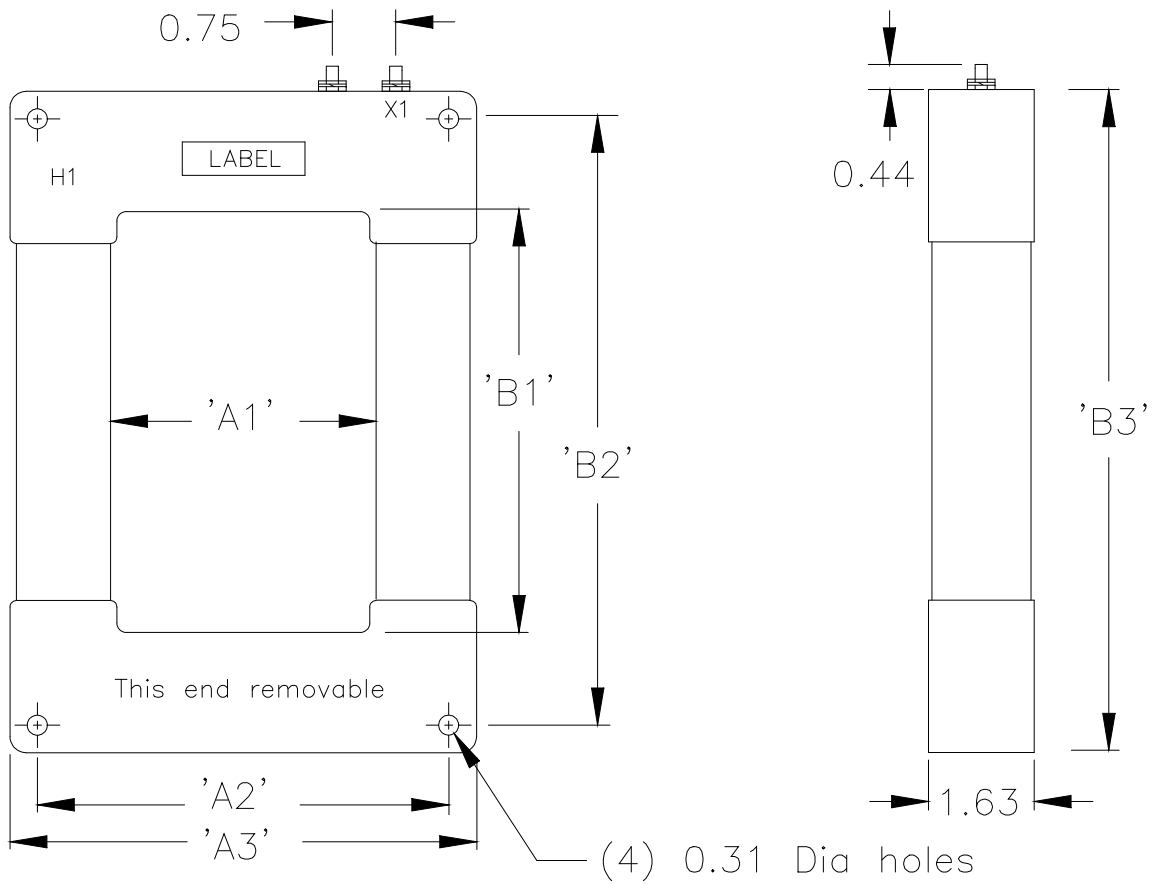
Model 500 Split Core

This transformer is designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

Caution:

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.



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