

CURRENT TRANSFORMERS
Wound Primary CT
Model CTW3-60-T10



APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

5.6kV, BIL 60kV.

CONTINUOUS THERMAL

CURRENT RATING FACTOR:

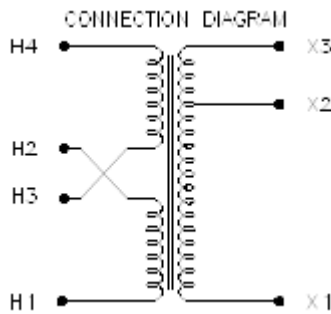
1.33 at 30°C amb., 1.00 at 55°C.

Primary terminals are 3/8-16 bolts with one Belleville washer.

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

Vacuum cast polyurethane resin.

Approximate weight 16 lbs.



CONNECTION TABLE

LINE	CONNECT PRIMARY TO	CONNECT	CONNECT SECONDARY TO
1	H1/H3 - H2/H4	H1 TO H3 AND H2 TO H4	X1 - X3
2	H1/H3 - H2/H4	H1 TO H3 AND H2 TO H4	X1 - X2
3	H1 - H4	H2 TO H3	X1 - X3
4	H1 - H4	H2 TO H3	X1 - X2

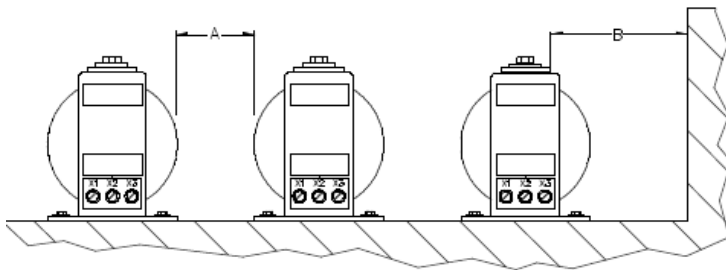
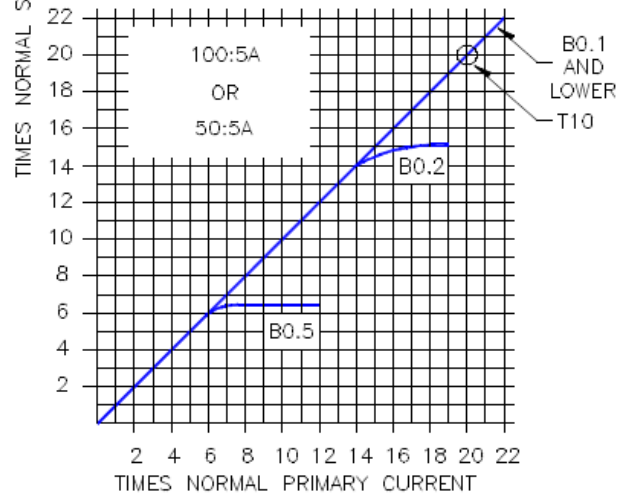
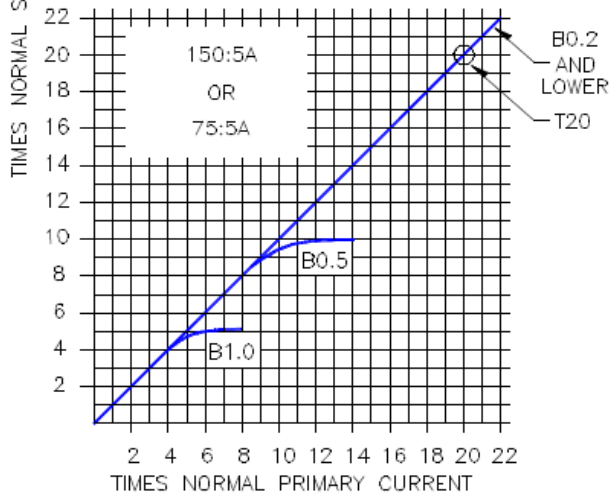
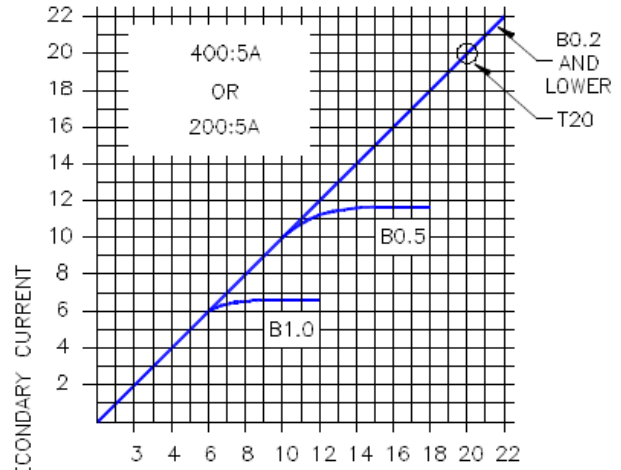
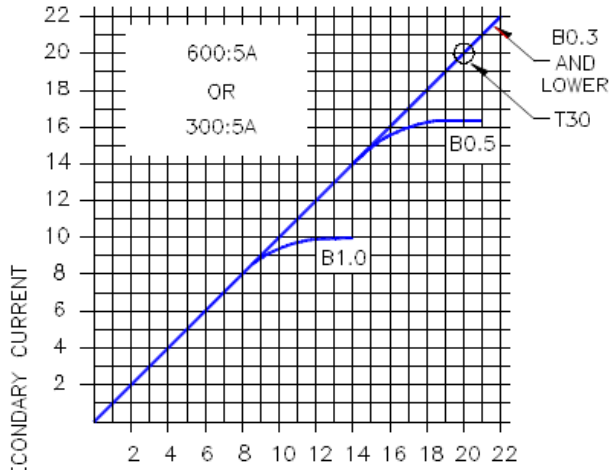
CAUTION: Use only the Belleville washers supplied. Tighten to between 13 to 15 foot-pounds. DO NOT OVERTIGHTEN.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60HZ		CONTINUOUS THERMAL RATING 1 SECOND RMS AMPS	CONNECTION TABLE LINE
			BO.1	BO.2		
CTW3-60-T10-500X151DR	50:5A	T10	0.6	1.2	4800	4
	75:5A	T20	0.6	0.6	4800	3
	100:5A	T10	0.6	1.2	9600	2
	150:5A	T20	0.6	0.6	9600	1
CTW3-60-T10-201X601DR	200:5	T20	0.3	0.3	18000	4
	300:5	T30*	0.3	0.3	18000	3
	400:5	T20	0.3	0.3	36000	2
	600:5	T30*	0.3	0.3	36000	1

* T30 is based on a burden of 0.3 ohms, 50% power factor.

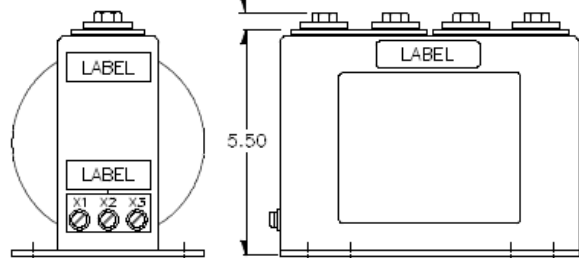
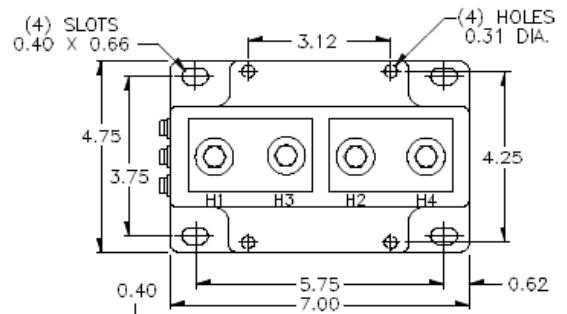
Modell CTW3--60--T10 Wound Primary CT

TYPICAL OVERCURRENT RATIO CURVES



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.



CURRENT TRANSFORMERS

Wound Primary CT

Model CTWH3-60-T100



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

Approximate weight 41 lbs.

APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

5.6kV, BIL 60kV.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.50 at 30oC amb., 1.33 at 55oC. amb.

250:5, 1000:5 and 1200:5-

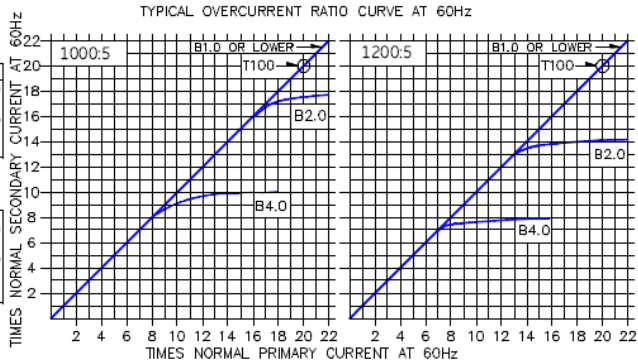
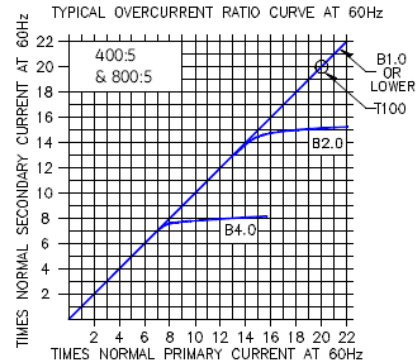
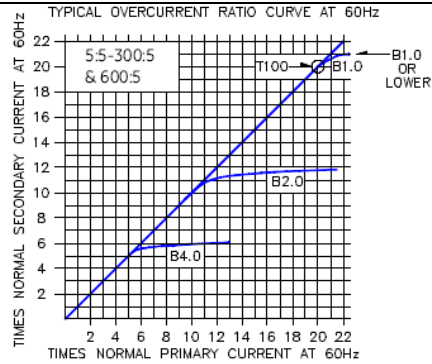
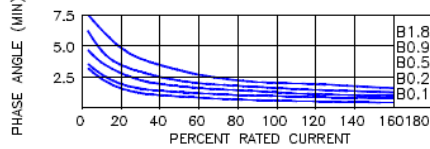
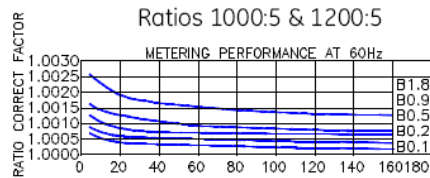
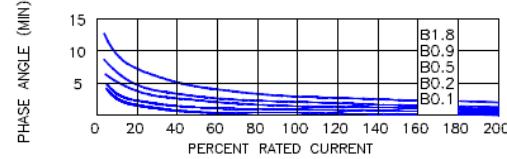
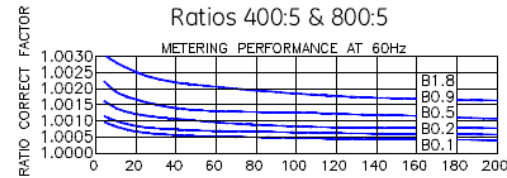
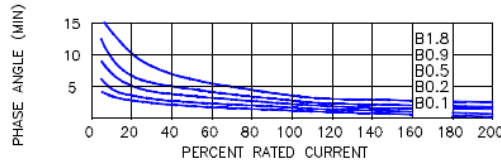
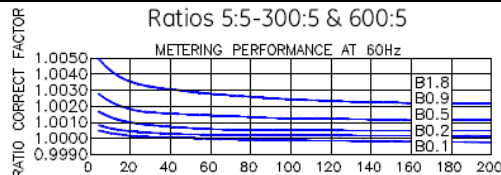
1.10 at 30oC. amb., 0.85 at 55oC. amb.

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

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60HZ					* THERMAL CURRENT RATING 1 SECOND RMS AMPS
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTWH3-60-T100-050	5:5	T100	0.3	0.3	0.3	0.3	0.3	470
CTWH3-60-T100-100	10:5	T100	0.3	0.3	0.3	0.3	0.3	900
CTWH3-60-T100-150	15:5	T100	0.3	0.3	0.3	0.3	0.3	1600
CTWH3-60-T100-200	20:5	T100	0.3	0.3	0.3	0.3	0.3	1900
CTWH3-60-T100-250	25:5	T100	0.3	0.3	0.3	0.3	0.3	2600
CTWH3-60-T100-300	30:5	T100	0.3	0.3	0.3	0.3	0.3	2900
CTWH3-60-T100-400	40:5	T100	0.3	0.3	0.3	0.3	0.3	3800
CTWH3-60-T100-500	50:5	T100	0.3	0.3	0.3	0.3	0.3	4700
CTWH3-60-T100-750	75:5	T100	0.3	0.3	0.3	0.3	0.3	5900
CTWH3-60-T100-1001	100:5	T100	0.3	0.3	0.3	0.3	0.3	8600
CTWH3-60-T100-1501	150:5	T100	0.3	0.3	0.3	0.3	0.3	12900
CTWH3-60-T100-2001	200:5	T100	0.3	0.3	0.3	0.3	0.3	17200
CTWH3-60-T100-2501	250:5	T100	0.3	0.3	0.3	0.3	0.3	17200
CTWH3-60-T100-3001	300:5	T100	0.3	0.3	0.3	0.3	0.3	34500
CTWH3-60-T100-4001	400:5	T100	0.3	0.3	0.3	0.3	0.3	34500
CTWH3-60-T100-6001	600:5	T100	0.3	0.3	0.3	0.3	0.3	66200
CTWH3-60-T100-8001	800:5	T100	0.3	0.3	0.3	0.3	0.3	66200
CTWH3-60-T100-1002	1000:5	T100	0.3	0.3	0.3	0.3	0.3	66200
CTWH3-60-T100-1202	1200:5	T100	0.3	0.3	0.3	0.3	0.3	66200

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

Modell CTWH3--60--T100 Wound Primary CT



BAR SIZES		
PRIMARY CURRENT	DIMENSIONS	
	A	B
5 TO 250A	0.25	1.50
300 TO 1200A	0.38	2.00

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.

