

CTSA Series of Split core Current Transformers

CTSA Series (secondary output mA or 5A/1A ,uitable for measuring the cable current)

The YUANXING CTSA series of split core style current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without disconnecting cables circuits for CT installation. This method permits a safer, easier and portable current measurement.



UL
E466650

FEATURES

- Low cost
- 4 standard sizes
- Split core design, safer, easier installation, and portable.

APPLICATIONS

- Electrical lines and equipment of current measurement, control and protection
- Measures AC current flow to electric motors, lighting, air condition equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.

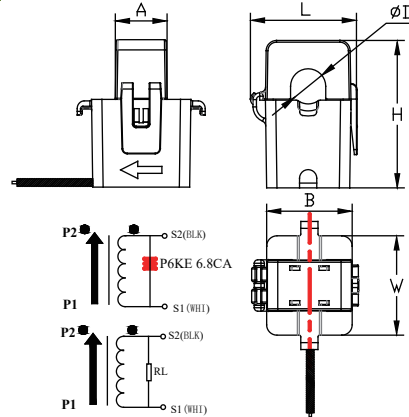
SPECIFICATIONS

- Rated Primary Current: 100-1200Aac
- Rated Secondary output: 5 or 1Aac
- Rated Burden: 1, 2.5, 5.0, 7.5VA
- Accuracy class: 0.5, 1.0, 3.0
- Rated Short-time thermal current (I_{th}): 20I_n
- Rated Dynamic current (I_{dyn}): 2.5I_{th}
- Operating Temperature: -20°C to +60°C
- Highest Voltage for Equipment U_m (rms): ≤0.72KVac
- Dielectric Strength: 4000Vac, 10s
- Insulating Resistance: 100M Ohms @ 500Vdc
- Frequency: 50/60Hz
- Case Material: UL flame retardant rating 94-V0
- Standard: IEC 61869-1, IEC 61869-2
- RoHS compliant • CE-approved

PERFORMANCES



DIMENSION DRAWING



Part Number	Ratio	Load (VA)				Outline Dimensions ID-L-W-H-A-B
		Class 0.5S	Class 0.5	Class 1	Class 3.0	
CTSA024	100A/5A				1	24/53.3/40.2/70/20.3/45 0.945/2.098/1.583/2.756 /0.799/1.772
	150A/5A				2.5	
	200A/5A			2.5	3.75	
	250A/5A			2.5	3.75	
	300A/5A			2.5	3.75	
CTSA035	100A/5A				2.5	35/67/42.8/83/22.5/58.2 1.378/2.638/1.685/3.268 /0.886/2.291
	200A/5A			2.5	5	
	250A/5A			2.5	5	
	300A/5A			2.5	5	
	400A/5A		1	2.5	5	
	500A/5A	1	2.5	3.75	7.5	
	600A/5A	1	2.5	5	7.5	
CTSA050	600A/5A	1	2.5	3.75	7.5	50.2/95.2/48.5/109.5 /26.6/86 1.976/3.748/1.909 /4.311/1.047/3.386
	800A/5A	1	2.5	5	10	
	1000A/5A	1	2.5	5	10	

SHANDONG YUANXING Electronics Co.,Ltd.

Phone: +86-533-381-8450
Fax: +86-533-381-8724

NO.39, QIXIN AVENUE, ZHANGDIAN,
ZIBO, SHANDONG, CHINA 255095

www.yuanxing.net
sales@yuanxing.net

PERFORMANCES

Part Number	Ratio	Load (VA)				Outline Dimensions ID-L-W-H
		Class 0.5S	Class 0.5	Class 1	Class 3.0	
CTSA050B	600A/5A	1	2.5	3.75	7.5	50.2/87.2/49.3/112.5 /27.6/78 1.976/3.433/1.941 /4.429/1.087/3.071
	800A/5A	1	2.5	5	10	
	1000A/5A	1	2.5	5	10	
CTSA024	100A/1A				1	24/53.3/40.2/70/20.3/45 0.945/2.098/1.583/2.756 /0.799/1.772
	150A/1A				1	
	200A/1A			1	2.5	
	250A/1A			1	2.5	
	300A/1A			2	3.75	
CTSA035	100A/1A			0.5	1	35/67/42.8/83/22.5/58.2 1.378/2.638/1.685/3.268 /0.886/2.291
	200A/1A			1	2.5	
	250A/1A			1.5	3.75	
	300A/1A			2	3.75	
	400A/1A		0.5	2.5	3.75	
	500A/1A		1	2.5	7.5	
	600A/1A	0.5	1	3.75	7.5	
CTSA050	600A/1A	1	2.5	5	7.5	50.2/95.2/48.5/109.5 /26.6/86 1.976/3.748/1.909 /4.311/1.047/3.386
	800A/1A	1	2.5	5	7.5	
	1000A/1A	1	2.5	5	7.5	
CTSA050B	600A/1A	1	2.5	5	7.5	50.2/87.2/49.3/112.5 /27.6/78 1.976/3.433/1.941 /4.429/1.087/3.071
	800A/1A	1	2.5	5	7.5	
	1000A/1A	1	2.5	5	7.5	

Output Lead wires for standard configuration: AWM1015 16AWG white/black twisted pair lead wires, lead length is 1.5m. For longer lead wire length, the CT accuracy will be influenced.