

CTSA Series of Split core Current Transformers

CTSA Series (secondary output mA or 0.333-3.53V, Suitable 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.



CTS Series

CTSA Series

CTSB Series

FEATURES

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

APPLICATIONS

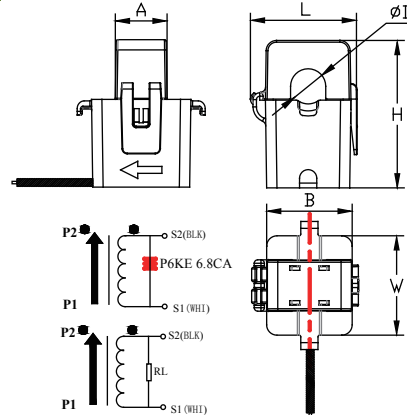
- Electrical lines and equipment of current measurement, control and protection
- Measures AC current flow to electric motors, lighting, air condition equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.

SPECIFICATIONS

- Rated Primary Current :5-400Aac
- Rated Second Voltage :0.333Vac
- Frequency Range:50-400Hz
- Operating Temperature:-15°C to 50°C
- Insulating Resistance:100M Ohms @ 500Vdc
- Dielectric Strength:2,500 Vac/min
- Case Material:nylon ,Resin94-V0
- ETL-approved
- RoHS compliant
- Highest Voltage for Equipment Um (rms): ≤600Vac
- Leads: 240mm (0.8Foot), UL1015, Twisted Pair, 0.34mm² (22AWG), The length can be customized.

PERFORMANCES

DIMENSION DRAWING



Part Number	Ratio	Measuring			Frequency (Hz)	Outline Dimensions ID-L-W-H-A-B (mm/inch)
		Rated Input (A)	Accuracy Class	Phase linearity error		
CTSA005		5,10,15	1.0 3.0	--	50 to 1KHz	5.0/25.0/22.5/34.5 0.196/0.984/0.886/1.358
CTSA010	1000:1	5,10,20,50,75	1.0 3.0	≤30'	50 to 1KHz	10.0/30.8/28.8/42.8/15/24.8 0.394/1.213/1.134/1.685/0.591/0.976
CTSA016	2000:1 2500:1 3000:1	75,100,150	0.5 1.0	≤30'	50 to 1KHz	16.0/37.8/33.9/49/19.9/30.7 0.630/1.488/1.335/1.929/0.783/1.209
CTSA024		100,150,200,250	0.5 1.0	≤30'	50 to 1KHz	24.0/53.3/40.2/70.0/20.3/45 0.945/2.098/1.583/2.756/0.799/1.772
CTSA035		200,300,400,500	0.5 1.0	≤30'	50 to 1KHz	35.0/67/42.8/83/22.5/58.2 1.378/2.638/1.685/3.268/0.886/2.291
CTSA050	2000:1 3000:1	400,500,600,800 ,1000	0.2	≤30'	50 to 1KHz	50.2/95.2/48.5/109.5/26.6/86.0 1.976/3.748/1.909/4.311/1.047/3.386
CTSA050B	4000:1		0.5			50.2/87.2/49.3/112.5/27.6/78.0 1.976/3.433/1.941/4.429/1.087/3.071
	5000:1		1.0			
	6000:1					

Note: Output voltage signal, recommended priority of 0.333V; Output Lead wires for standard configuration: AWM1015 22AWG white/black twisted pair lead wires, lead length is 1m. For other length requirement, please advise.

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PERFORMANCES

Part Number	Ratio	Load (VA)				Outline Dimensions ID-L-W-H
		Class 0.5S	Class 0.5	Class 1	Class 3.0	
CTSA024	100A/5A				1	24.0/53.3/40.2/70
	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	35.0/67/42.8/83
	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	50/95/52/110
	800A/5A	1	2.5	5	10	
	1000A/5A	1	2.5	5	10	
CTSA050B	600A/5A	1	2.5	3.75	7.5	50.2/87.2/49.3/112.5
	800A/5A	1	2.5	5	10	
	1000A/5A	1	2.5	5	10	
CTSA024	100A/1A				1	24.0/53.3/40.2/70
	150A/1A				1	
	200A/1A			1	2.5	
	250A/1A			1	2.5	
	300A/1A			2	3.75	
CTSA035	100A/1A			0.5	1	35.0/67/42.8/83
	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	50/95/52/110
	800A/1A	1	2.5	5	7.5	
	1000A/1A	1	2.5	5	7.5	
CTSA050B	600A/5A	1	2.5	5	7.5	50.2/87.2/49.3/112.5
	800A/5A	1	2.5	5	7.5	
	1000A/5A	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.

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