

## Three Phase Current Transformers

# CTB2941 Series

**CTB2941 series** Three Phase current transformer is a combination of three transformers together to form one, It has been specially Designed for motor, An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

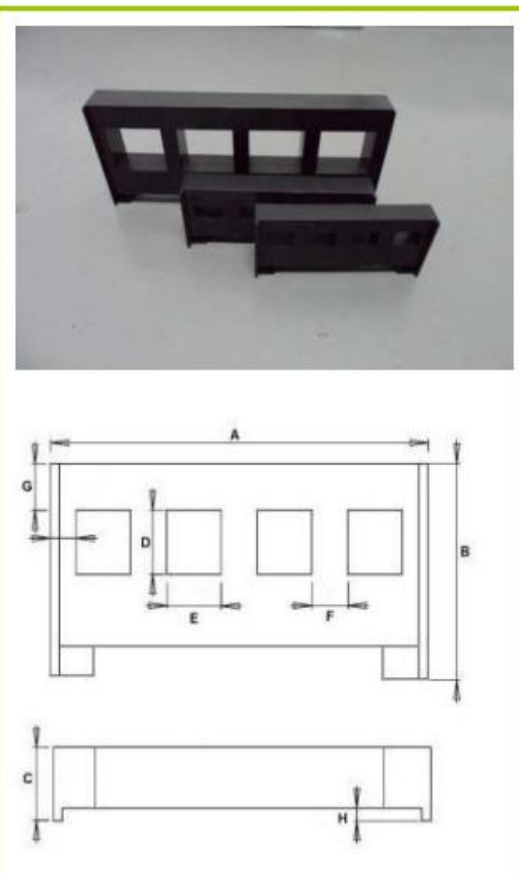
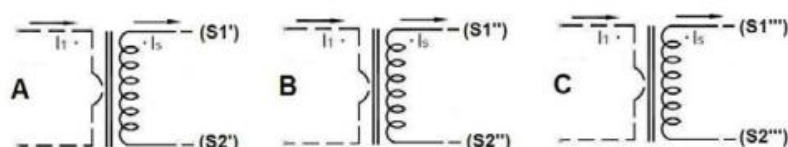
### ◆ Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

### ◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Relay protection device.

### ◆ Circuit connection diagram



### ◆ Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-800A
Measuring range	5%In-130%In
Rated Output	0-5V(AC)
Ratio	$\leq \pm 0.1\%$
Phase angle	$\leq \pm 5\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	ABS /UL94-V0
Bobbin	PBT
Core	Silicon steel or Nanocrystalline
Internal structure	Epoxy
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	4-cell or 6-cell shielded wire

### ◆ Type Selection

Mfg P/N	Input (A)	Output (A)	Accuracy	Max overload multiples	Dimension (mm)							
					A	B	C	D	E	F	G	H
CTB2941C	0-100A	0-5V	0.1	10/3s	125	61	22	15	18	11	13	4
CTB2941D	0-225A	0-5V	0.1	10/3s	144	62	28	15	22	12	17	5
CTB2941E	0-800A	0-5V	0.1	10/3s	242	109	35	45	45	13	17	5

Xiamen ZT Technology Co., Limited

Skype: zntarjason,

[zntarjason@gmail.com](mailto:zntarjason@gmail.com),

[sales@zntar.com](mailto:sales@zntar.com)

[www.zntar.com](http://www.zntar.com)