

Three Phase Current Transformers

CTB2921 Series

CTB2921 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.

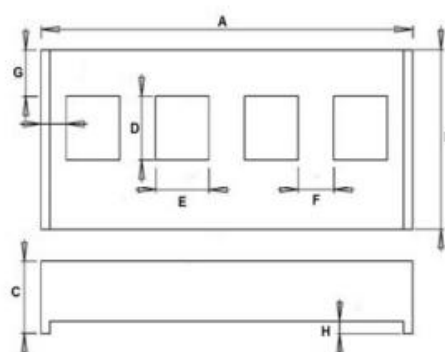
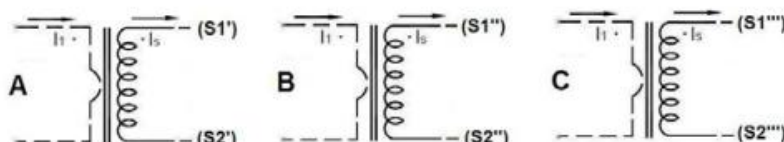
◆ Features

- 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-400A
Measuring range	5%In-130%In
Rated Output	0-10V(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
CTB2921C	0-100A	0-5V	0.1	10/3s	124	51	23	20	18	12	8	4
CTB2921D	0-225A	0-5V	0.1	10/3s	144	53	24	25	22	12	10	4
CTB2921E	0-400A	0-5V	0.1	10/3s	200	63	24	33	33	15	10	4

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