

Three Phase Current Transformers

CTB(Z)2932 Series

CTB(Z)2932 series Three Phase current transformer is a combination of three transformers and zero-flux CT 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.

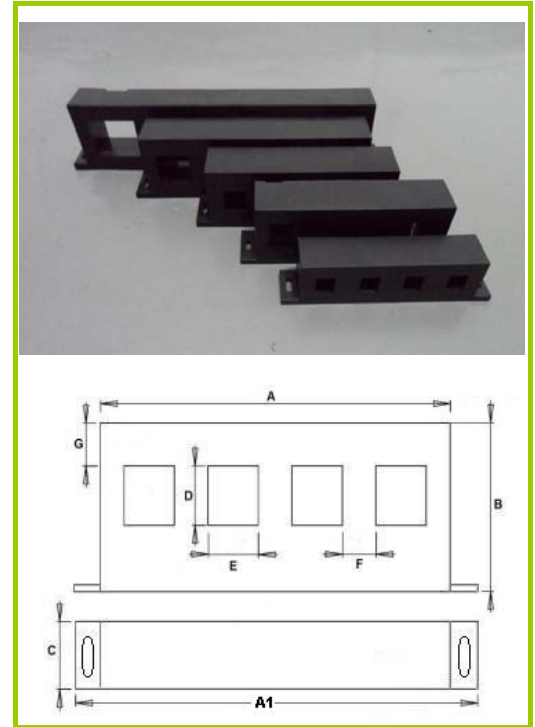
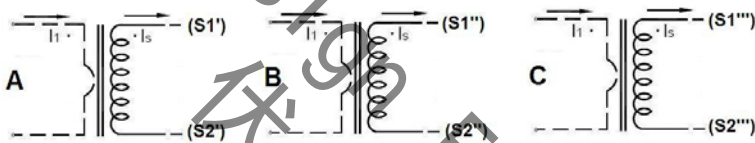
◆ Features

- 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°C ~ +75°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)							
					A1	A	B	C	D	E	F	G
CTB(Z)2932C1	0-100A	0-5V	0.1	10/3s	150	120	36	26	15	12	17	7
CTB(Z)2932C2	0-100A	0-5V	0.1	10/3s	146	116	36	26	12	15	9	12
CTB(Z)2932D1	0-225A	0-5V	0.1	10/3s	175	145	52	32	19	17	17	17
CTB(Z)2932D2	0-225A	0-5V	0.1	10/3s	167	137	52	32	26	17	16	17
CTB(Z)2932E	0-400A	0-5V	0.1	10/3s	219	189	58	33	27	27	19	20
CTB(Z)2932F	0-800A	0-5V	0.1	10/3s	298	268	65	33	41	41	24	15