

Three Phase Current Transformers

SCT28 Series

SCT28 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.

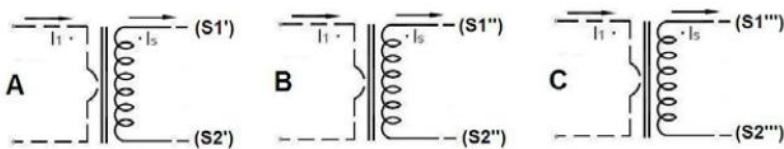
◆ Features

- 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	0-10V(AC)
Ratio	$\leq \pm 0.1\%$
Phase angle	$\leq \pm 5\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

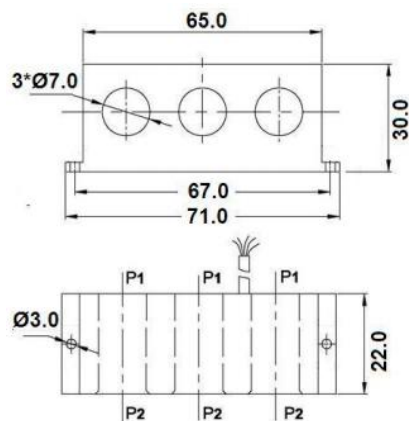
Mechanical Parameter	
Case	ABS /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	4-cell or 6-cell shielded wire

◆ Type Selection

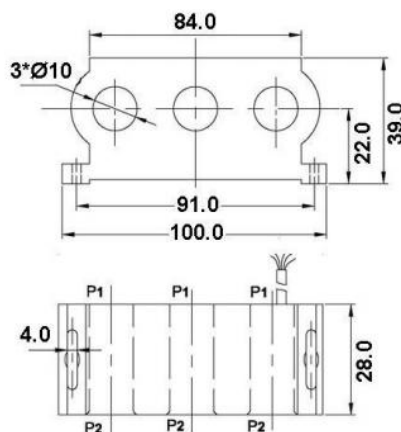
Mfg P/N	Input(A)	Output(A)	Accuracy	Max overload multiples	Hole size (mm)	Mounting means
SCT2851	0-20A	0-10V	0.1、0.2	10/3s	3* Ø 5.0	Screw
SCT2861	0-50A	0-10V	0.1、0.2	10/3s	3* Ø 7.0	Screw
SCT2871	0-100A	0-10V	0.1、0.2	10/3s	3* Ø 10.0	Screw
SCT2881A	0-200A	0-10V	0.1、0.2	10/3s	3* Ø 20.0	Screw
SCT2881B	0-250A	0-10V	0.1、0.2	10/3s	3* Ø 20.0	Screw
SCT2881D	0-200A	0-10V	0.1、0.2	10/3s	3* Ø 19.0	Screw
SCT2881E	0-200A	0-10V	0.1、0.2	10/3s	3* Ø 7.0	guide way
SCT2881F	0-200A	0-10V	0.1、0.2	10/3s	3* Ø 20.0	guide way
SCT2891A	0-400A	0-10V	0.1、0.2	10/3s	3* Ø 30.0	Screw
SCT2891B	0-400A	0-10V	0.1、0.2	10/3s	3* Ø 30.0	Screw
SCT2892	0-630A	0-10V	0.1、0.2	10/3s	3* Ø 35.0	Screw
SCT2893	0-800A	0-10V	0.1、0.2	10/3s	3* Ø 40.0	Screw

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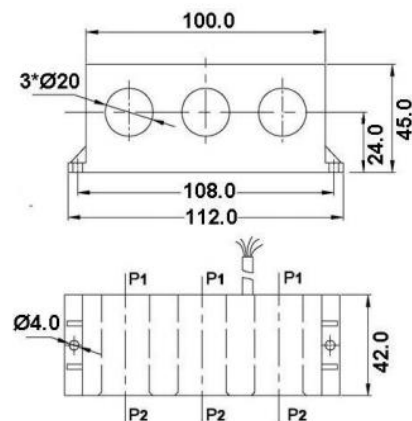
SCT28 Series



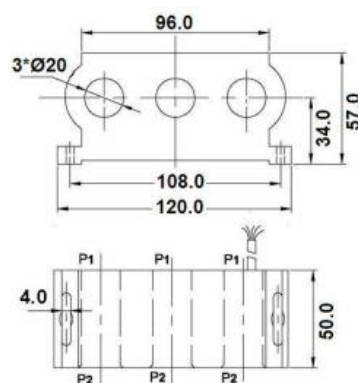
SCT2861



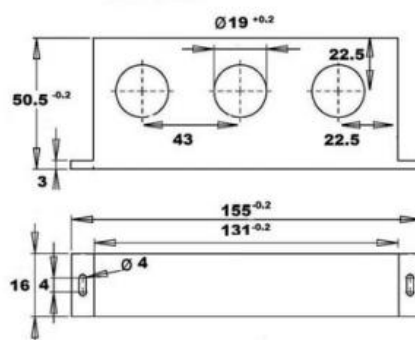
SCT2871



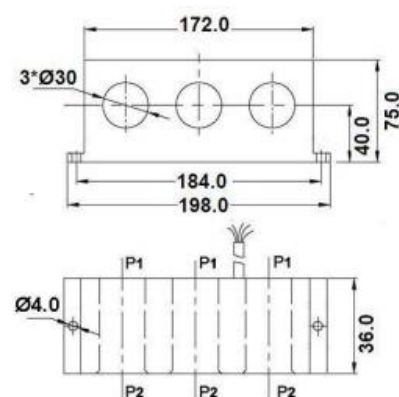
SCT2881A



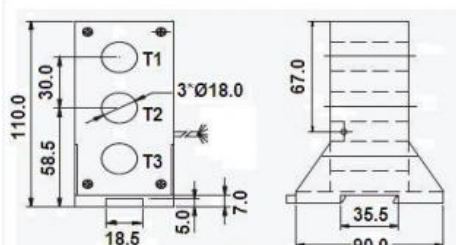
SCT2881B



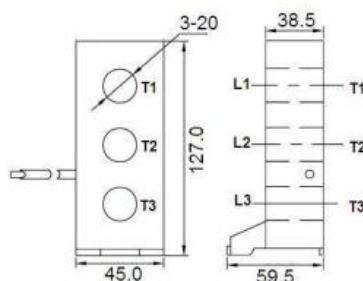
SCT2881D



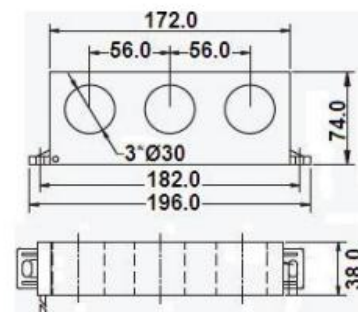
SCT2891A



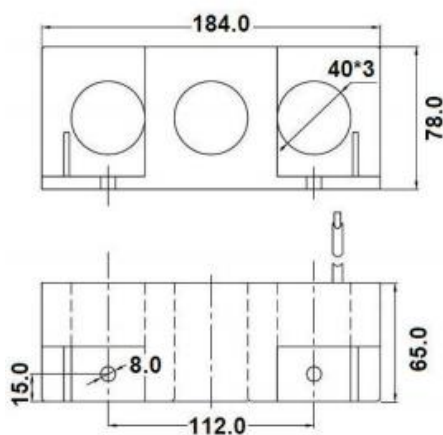
SCT2881E



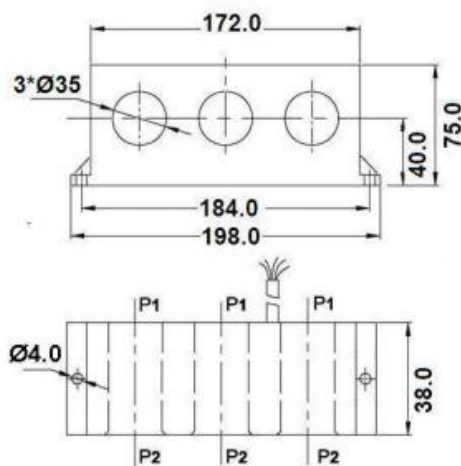
SCT2881F



SCT2891B



SCT2893



SCT2892

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