

SCT010

Φ10mm Aperture Split core current transformer



Front view



Opening view



Bottom view

Characteristic

- Safety lock buckle, easy to install
- Built-in over-voltage protection device (TVS tube)
- Lead type output, length can be customized
- Suspended type

Product application

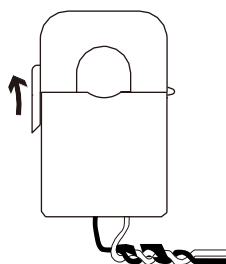
- Portable instrument
- Household metering
- Monitor motor load

Product advantage

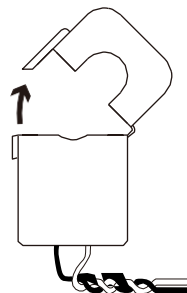
- Small volume, Light weight
- Low cost
- High turns, High precision

Installation diagram

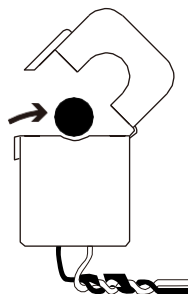
Primary threading method (Firing line)



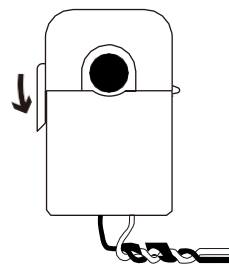
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

Typical technical index :

- Material of core——Ferrite
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-25^{\circ}C \sim +60^{\circ}C$
- Storage temperature—— $-30^{\circ}C \sim +90^{\circ}C$
- Frequency range—— $50Hz \sim 1KHz$
- Dielectric strength——Input (bare conductor) /output AC 800V/1min 5mA 50Hz
Output/Outer shell AC 3.5KV/1min 5mA 50Hz

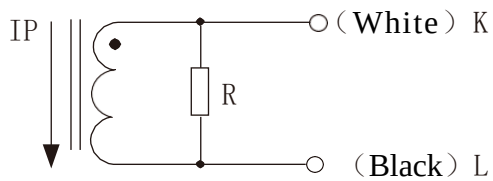
Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Max. Input 120A							
Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT010	20A	20mA	1: 1000	10 Ω	1%	1%	45g
SCT010	20A	10mA	1: 2000	10 Ω	1%	1%	45g
SCT010	50A	50mA	1: 1000	10 Ω	1%	1%	45g
SCT010	50A	16. 6 mA	1: 3000	10 Ω	1%	1%	45g
SCT010	60A	20mA	1: 3000	10 Ω	1%	1%	45g
SCT010	80A	80mA	1: 1000	10 Ω	1%	1%	45g
SCT010	80A	40mA	1: 2000	10 Ω	1%	1%	45g
SCT010	80A	26. 6 mA	1: 3000	10 Ω	1%	1%	45g

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT010	10A	0. 333V	-	built-in	1%	1%	45g
SCT010	20A	0. 333V	-	built-in	1%	1%	45g
SCT010	30A	0. 333V	-	built-in	1%	1%	45g
SCT010	50A	0. 333V	-	built-in	1%	1%	45g
SCT010	60A	0. 333V	-	built-in	1%	1%	45g
SCT010	80A	0. 333V	-	built-in	1%	1%	45g

*Can be customized parameters/lead length/lead specifications according to user requirements.

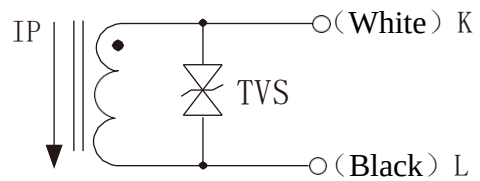
Wiring schematic diagram :



Built-in sampling resistance

Voltage output type

Secondary doesn't allow short circuit



TVS: Transient voltage suppressor

Current output type

Secondary doesn't allow open circuit

Cable (AWG22) :

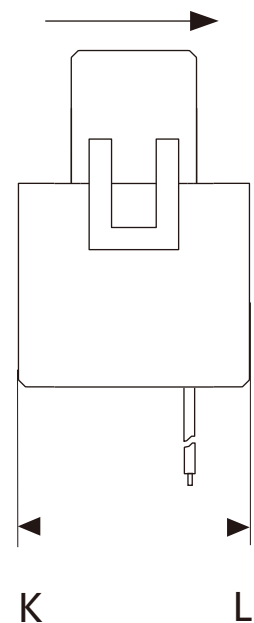
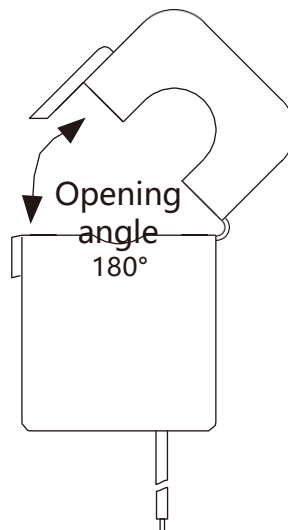
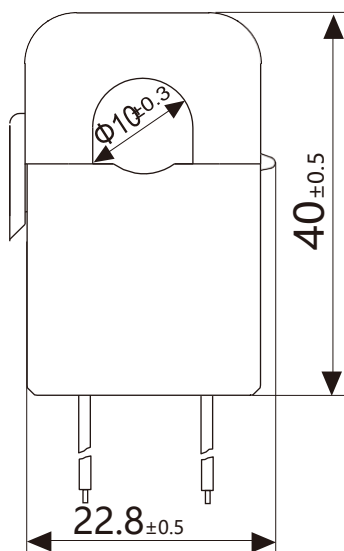
Black and white twisted pair

Specifications of lead wire: 0.3mm²

The length of lead wire : 50cm

color of lead wire: White, Black

Outline size: (in:mm)



Front view

Side view