

Φ16mm Aperture Split core current transformer



Front view



Opening view



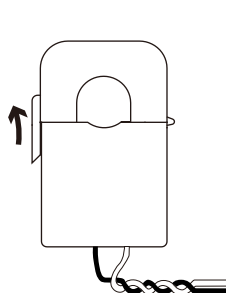
Bottom view

Characteristic

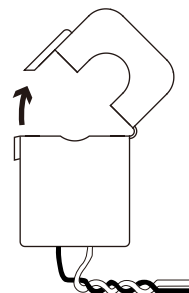
- Safety lock buckle, easy to install
- Built-in over-voltage protection device (TVS tube)
- Lead type output, length can be customized
- Suspended type

Installation diagram

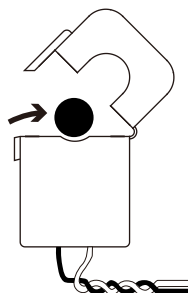
Primary threading method (Firing line)



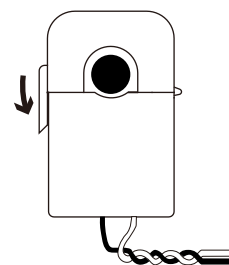
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

Product application

- Portable instrument
- Household metering
- Monitor motor load

Product advantage

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

Typical technical index:

- Material of core——Silicon steel sheet
- 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—— $50Hz \sim 60Hz$
- 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)

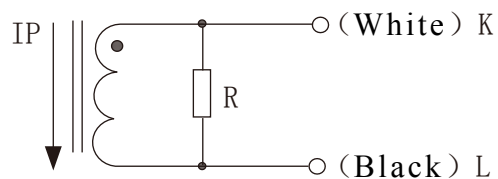
Max. Input 200A							
Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016S	50A	100mA	1: 100	5 Ω	1%	1%	85g
SCT016S	100A	100mA	1: 1000	5 Ω	1%	1%	85g
SCT016S	120A	40mA	1: 3000	10 Ω	1%	1%	85g
SCT016S	150A	100mA	1: 1500	10 Ω	1%	1%	85g
SCT016S	150A	50mA	1: 3000	10 Ω	1%	1%	85g
SCT016S	160A	40mA	1: 4000	10 Ω	1%	1%	85g
SCT016S	200A	100mA	1: 2000	10 Ω	1%	1%	85g
SCT016S	200A	50mA	1: 4000	10 Ω	1%	1%	85g

Model	Input current	Output	Turns ratio	Power	Accuracy	Linearity	Weight
SCT016S	60A	1A	1:60	0. 1VA	1%	1%	85g
SCT016S	80A	1A	1:80	0. 1VA	1%	1%	85g
SCT016S	100A	1A	1:100	0. 1VA	1%	1%	85g

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016S	50A	0. 333V	-	built-in	1%	1%	85g
SCT016S	100A	0. 333V	-	built-in	1%	1%	85g
SCT016S	150A	0. 333V	-	built-in	1%	1%	85g

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

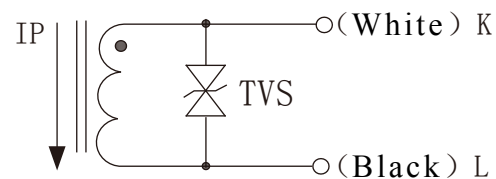
Wiring schematic diagram:



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) :

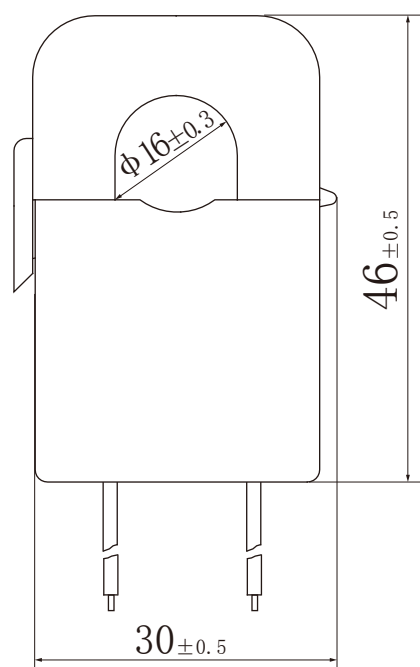
Specifications of lead wire: 0.3mm^2 Black and white twisted pair

(1A Output: 0.75mm^2 Black and white twisted pair)

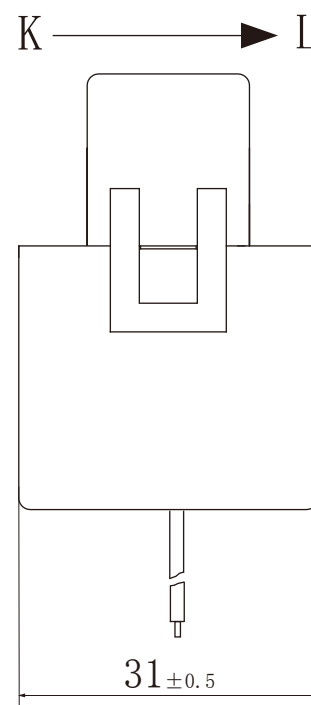
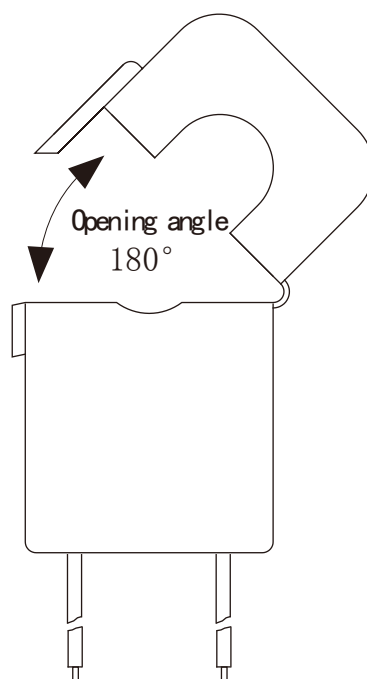
The length of lead wire: 50cm

color of lead wire: White, Black

Outline size: (in:mm):



Front view



Side view