

Φ 24mm Aperture Split core current transformer



Front view



Opening view



Terminal view



Product features

- Safety lock buckle, easy to install
- Crimping terminal output
- Can customize a variety of output
- Suspended type

Product application

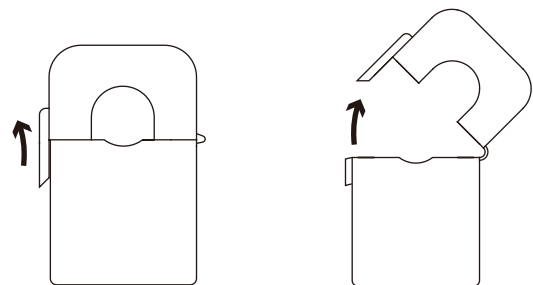
- Portable instrument
- Household metering
- Monitor motor load

Product advantage

- Small volume, light weight
- Low cost
- High turns, high precision

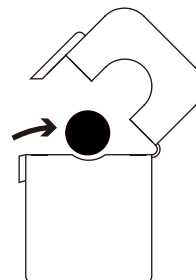
Installation diagram

Primary threading method (Firing line)

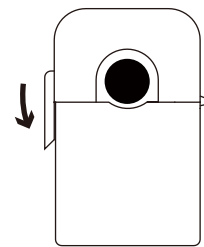


1. Open the buckle

2. Open upward



3. Put in lead wire



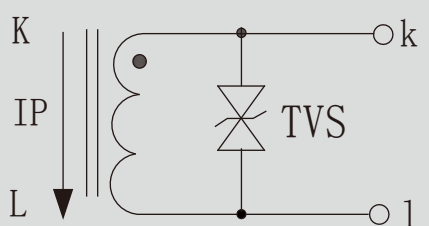
4. Fasten the buckle

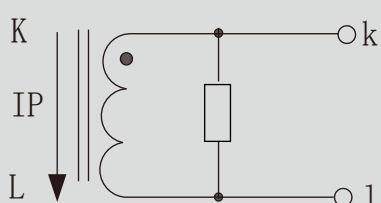
Typical technical index:

- Material of core——Silicon steel sheet
- Working voltage——Phase voltage $\leq 660V$
- Working temperature—— $-25^{\circ}C \sim +60^{\circ}C$
- Storage temperature—— $-30^{\circ}C \sim +90^{\circ}C$
- Frequency range—— $50Hz \sim 60Hz$
- Weight ——204g
- Dielectric strength——Input (bare conductor) /output AC 800V/1min 5mA 50Hz
Output/Outer shell AC 3.5KV/1min 5mA 50Hz

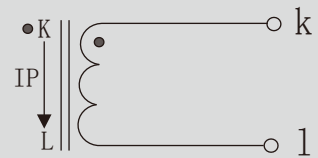
Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Schematic diagram


mA output type						Schematic diagram
Model	Input current	Output AC	Turns ratio	Accuracy	Sampling resistance	
SCT024TS	50A	50mA	1:1000	0.5%/1%	20 Ω	 <p>TVS: Transient voltage suppressor (7.5V) Current output type Secondary is not allowed to open circuits</p>
SCT024TS	100A	50mA	1:2000	0.5%/1%	20 Ω	
SCT024TS	200A	20mA	1:10000	0.5%/1%	50 Ω	
SCT024TS	200A	50mA	1:4000	0.5%/1%	20 Ω	
SCT024TS	300A	50mA	1:6000	0.5%/1%	20 Ω	
SCT024TS	400A	50mA	1:8000	0.5%/1%	20 Ω	
SCT024TS	400A	80mA	1:5000	0.5%/1%	20 Ω	
SCT024TS	400A	100mA	1:4000	0.5%/1%	8 Ω	

0.333V/1V/3V/5VAC voltage output type					
Model	Input current	Output AC	Accuracy	Load impedance	Schematic diagram
SCT024TS	50A	0.333V	0.5%	$\geq 100K \Omega$	 <p>Built-in sampling resistance Voltage output type Secondary is not allowed to short circuits</p>
SCT024TS	100A	1V			
SCT024TS	200A	3V	or		
SCT024TS	300A	5V	1%		
SCT024TS	400A	5V			

1A output type

Model	Input current	Output AC	Turns ratio	Accuracy	Power(VA)	Schematic diagram
SCT024TS	50A	1A	50:1	1%	0.5VA	 <p>Current output type Secondary is not allowed to open circuits</p>
SCT024TS	100A	1A	100:1	0.5%/1%	0.5VA/1VA	
SCT024TS	150A	1A	150:1	0.5%/1%	0.5/1VA	
SCT024TS	200A	1A	200:1	0.5%/1%	1VA/1.5VA	
SCT024TS	250A	1A	250:1	0.5%/1%	1VA/1.5VA	
SCT024TS	300A	1A	300:1	0.5%/1%	1.5VA/2VA	
SCT024TS	350A	1A	350:1	0.5%/1%	1.5VA/2VA	
SCT024TS	400A	1A	400:1	0.5%/1%	2VA/2VA	

5A output type

Model	Input current	Output AC	Turns ratio	Accuracy	Power(VA)	Schematic diagram
SCT024TS	100A	5A	100:5	1%/3%	0.5VA/1VA	 <p>Current output type Secondary is not allowed to open circuits</p>
SCT024TS	150A	5A	150:5	1%/3%	1VA/2.5VA	
SCT024TS	200A	5A	200:5	0.5%/1%/3%	1VA/2.5VA/3.75VA	
SCT024TS	250A	5A	250:5	0.5%/1%/3%	1VA/2.5VA/3.75VA	
SCT024TS	300A	5A	300:5	0.5%/1%/3%	1VA/2.5VA/3.75VA	

Dimensions: (in:mm):

