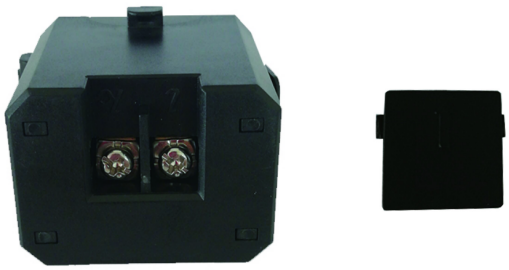
Φ36mmAperture Split core current transformer

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

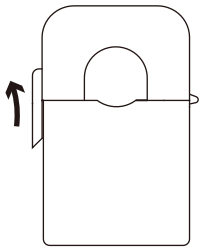
- Portable instrument
- Household metering
- Monitor motor load

Product advantage

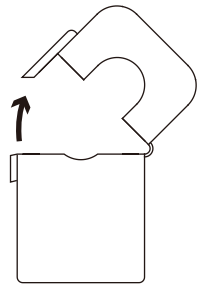
- Small volume, light weight
- Low cost
- High turns, high precision

Installation diagram

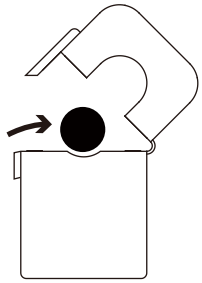
Primary threading method（Firing line）



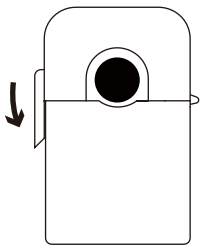
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

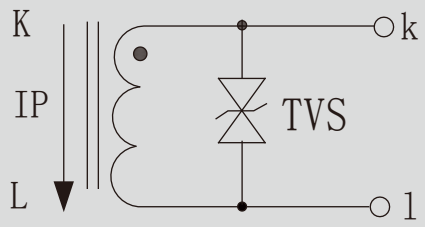
Typical technical index:

- Material of core——Silicon steel sheet
- Working voltage——Phase voltage≤660V
- Working temperature——-25℃～+60℃
- Storage temperature——-30℃～+90℃
- Frequency range——50Hz～60Hz
- Dielectric strength——Input (bare conductor) /output AC 800V/1min 5mA 50Hz
  Output/Outer shell AC 3.5KV/1min 5mA 50Hz
- Weight ————310g

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

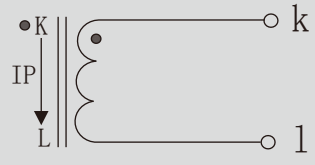
mA output type

Model	Input current	Output AC	Turns ratio	Accuracy	Power(VA)	Schematic diagram
SCT036TS	100A	50mA	1:1000	0.5%/1%	20Ω	
SCT036TS	100A	100mA	1:1000	0.5%/1%	10Ω	
SCT036TS	200A	50mA	1:4000	0.5%/1%	20Ω	
SCT036TS	200A	100mA	1:2000	0.5%/1%	10Ω	
SCT036TS	300A	50mA	1:6000	0.5%/1%	20Ω	
SCT036TS	300A	100mA	1:3000	0.5%/1%	10Ω	
SCT036TS	400A	50mA	1:8000	0.5%/1%	20Ω	
SCT036TS	400A	100mA	1:4000	0.5%/1%	10Ω	
SCT036TS	500A	50mA	1:10000	0.5%/1%	20Ω	
SCT036TS	500A	100mA	1:5000	0.5%/1%	10Ω	
SCT036TS	600A	50mA	1:12000	0.5%/1%	20Ω	
SCT036TS	600A	100mA	1:6000	0.5%/1%	10Ω	



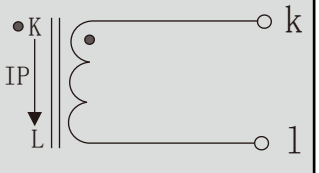
TVS:
Transient Voltage Suppressor (7.5V)
Current output type
The secondary is not allowed to open circuits

1A output type

Model	Input current	Output AC	Turns ratio	Accuracy	Power(VA)	Schematic diagram
SCT036TS	100A	1A	100:1	1%	5VA	
SCT036TS	150A	1A	150:1	0.5%/1%	5VA	
SCT036TS	200A	1A	200:1	0.5%/1%	5VA	
SCT036TS	250A	1A	250:1	0.5%/1%	5VA	
SCT036TS	300A	1A	300:1	0.5%/1%	5VA	
SCT036TS	400A	1A	400:1	0.5%/1%	5VA	
SCT036TS	500A	1A	500:1	0.5%/1%	5VA	
SCT036TS	600	1A	600:1	0.5%/1%	5VA	

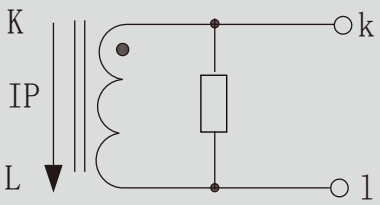
Current output type
Secondary is not allowed to open circuits

5A output type

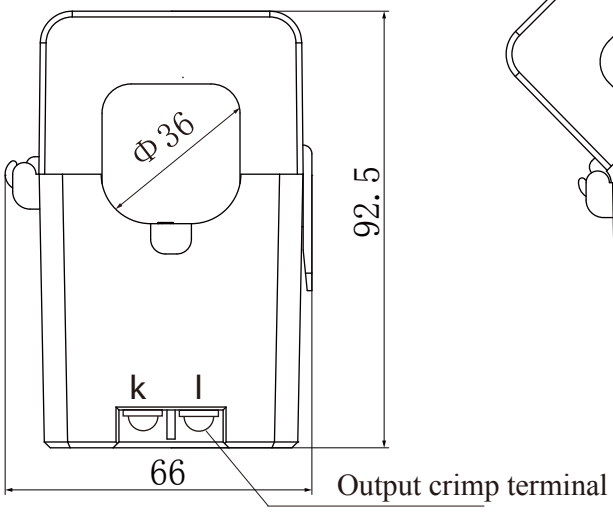
Model	Input current	Output AC	Turns ratio	Accuracy	Power(VA)	Schematic diagram
SCT036TS	100A	5A	100:5	1%	1VA	
SCT036TS	150A	5A	150:5	0.5%/1%	1VA/2VA	
SCT036TS	200A	5A	200:5	0.5%/1%	2VA/5VA	
SCT036TS	250A	5A	250:5	0.5%/1%	2VA/5VA	
SCT036TS	300A	5A	300:5	0.5%/1%	2VA/5VA	
SCT036TS	400A	5A	400:5	0.5%/1%	2VA/5VA	
SCT036TS	500A	5A	500:5	0.5%/1%	2VA/5VA	
SCT036TS	600	5A	600:5	0.5%/1%	2VA/5VA	

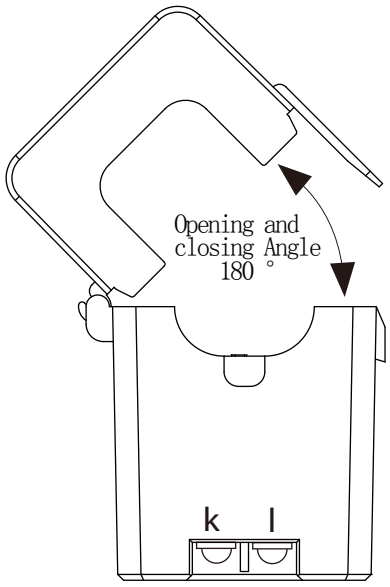
Current output type
Secondary is not allowed to open circuits

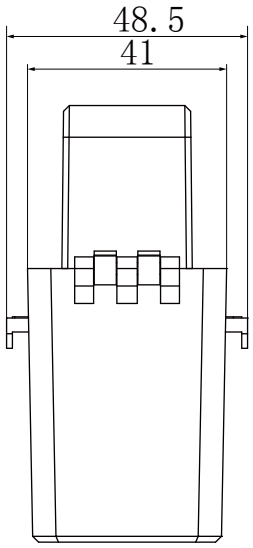
0.333V/1V/3V/5VAC voltage output type

Model	Input current	Output AC	Accuracy	Load impedance	Schematic diagram
SCT036TS	100A	0.333V or 1V or 3V or 5V	0.5% or 1%	⩾100KΩ	 Built-in sampling resistance Voltage output type Secondary is not allowed to short circuits
SCT036TS	200A				
SCT036TS	300A				
SCT036TS	400A				
SCT036TS	500A				
SCT036TS	600A				

Dimensions： (in:mm)：







Front view

Side view