

Φ36mm diameter Split core current transformer



Product features

- Secure locking buckle, easy to install
- Leading wire output(three lead specifications)
- Can customize a variety of output
- Suspended mounting

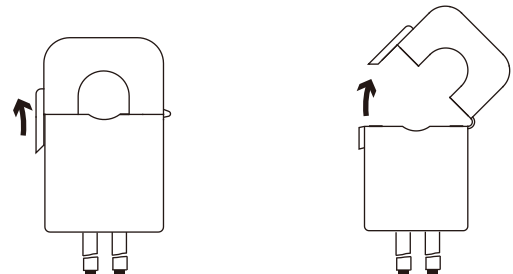
Product application

- Portable instrument
- Household metering
- Monitoring the load of machine

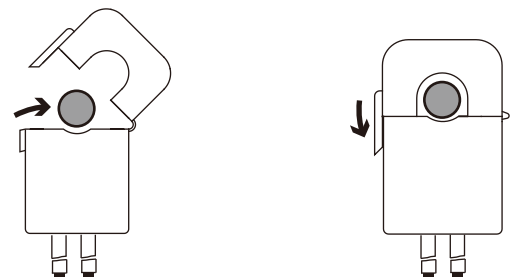
Product advantage

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

Installation diagram



1. Open the buckle 2. Open upward



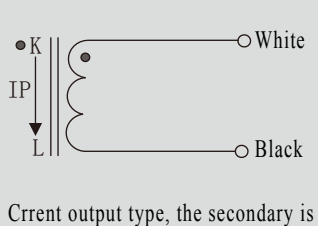
3. Put in lead wire 4. Fasten the buckle

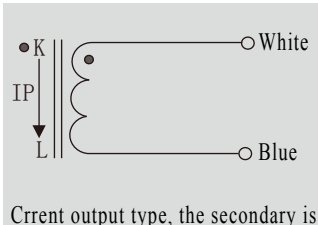
Typical technical index:

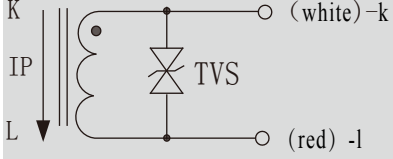
- Material of core——Silicon steel sheet
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-25^{\circ}C \sim +60^{\circ}C$
- Storage temperature—— $-30^{\circ}C \sim +90^{\circ}C$
- Frequency range—— $50Hz \sim 60Hz$
- Dielectric strength——
input (Bare conductor) /output AC 800V/1min 5mA 50Hz
output/outshell AC 3.5KV/1min 5mA 50Hz)
- Weight———310g

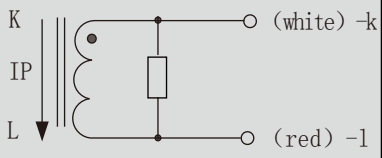
Electrical parameters

(The following parameters are typical values,the actual values shall be subject to the testing

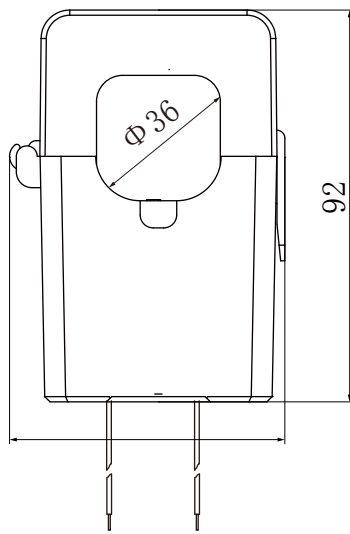
1A output type						Dimensions ①
Model	Input current AC	Output AC	Turns ratio	Accuracy	Leading specification	Diagram
SCT036TSL	100A	1A	1:100	0.5%/1%	Leading wire specification: 0.5mm ² Black and white twisted pair Lead length:100cm~105cm Lead wire color:white,black	
SCT036TSL	150A	1A	1:150	0.5%/1%		
SCT036TSL	200A	1A	1:200	0.5%/1%		
SCT036TSL	250A	1A	1:250	0.5%/1%		
SCT036TSL	300A	1A	1:300	0.5%/1%		
SCT036TSL	350A	1A	1:350	0.5%/1%		
SCT036TSL	400A	1A	1:400	0.5%/1%		
SCT036TSL	500A	1A	1:500	0.5%/1%		
SCT036TSL	600A	1A	1:600	0.5%/1%		

5A output type						Dimensions ①
Model	Input current AC	Output AC	Turns ratio	Accuracy	Leading specification	Diagram
SCT036TSL	100A	5A	1:20	1%	Leading wire specification: 2.5mm ² soft wire Lead length:100cm~105cm Lead wire color:white,blue	
SCT036TSL	200A	5A	1:40	0.5%/1%		
SCT036TSL	300A	5A	1:60	0.5%/1%		
SCT036TSL	400A	5A	1:80	0.5%/1%		
SCT036TSL	500A	5A	1:100	0.5%/1%		
SCT036TSL	600A	5A	1:120	0.5%/1%		

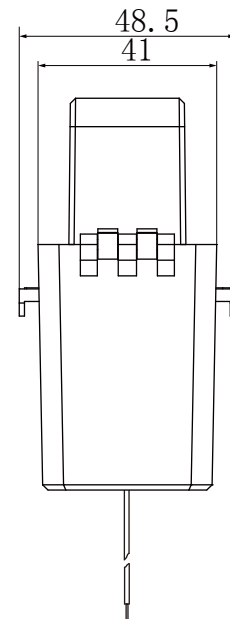
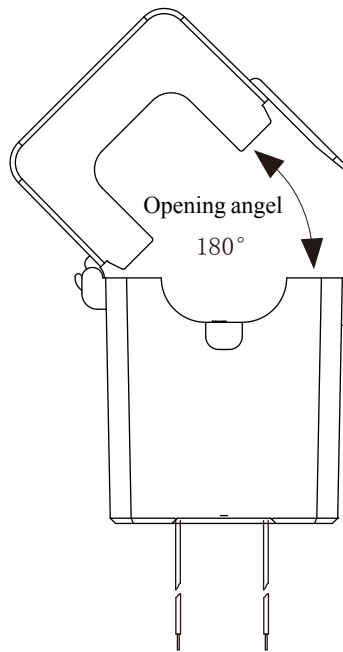
mA output type						Dimensions②
Model	Input current	Output current	Turns ratio	Accuracy	Sampling resistance	Lead specification/Schematic diagram
SCT036TSL	100A	50mA	1:1000	0.5%/1%	20 Ω	Leading wire specification: 2x0.2mm² two core shielded wire Lead length: 100cm~105cm  TVS: Transient voltage suppressor(7.5V) Current output type, the secondary is not allowed to open.
SCT036TSL	100A	100mA	1:1000	0.5%/1%	10 Ω	
SCT036TSL	200A	50mA	1:4000	0.5%/1%	20 Ω	
SCT036TSL	200A	100mA	1:2000	0.5%/1%	10 Ω	
SCT036TSL	300A	50mA	1:6000	0.5%/1%	20 Ω	
SCT036TSL	300A	100mA	1:3000	0.5%/1%	10 Ω	
SCT036TSL	400A	50mA	1:8000	0.5%/1%	20 Ω	
SCT036TSL	400A	100mA	1:4000	0.5%/1%	10 Ω	
SCT036TSL	500A	50mA	1:10000	0.5%/1%	20 Ω	
SCT036TSL	500A	100mA	1:5000	0.5%/1%	10 Ω	
SCT036TSL	600A	50mA	1:12000	0.5%/1%	20 Ω	
SCT036TSL	600A	100mA	1:6000	0.5%/1%	10 Ω	

0.333V/1V/3V/5V _{AC} voltage output type						Dimensions②
Model	Input current	Output voltage AC	Accuracy	Load impedance	Lead specification/Schematic diagram	
SCT036TSL	100A	0.333V or 1V or 3V or 5V	0.5%/1%	≥100K Ω	Leading wire specification: 2x0.2mm² two core shielded wire Lead length: 100cm~105cm  sampling resistance built-in Voltage output type not allowed secondary short circuit	
SCT036TSL	200A					
SCT036TSL	300A					
SCT036TSL	400A					
SCT036TSL	500A					
SCT036TSL	600A					

Dimensions①: (in:mm ± 0.5)

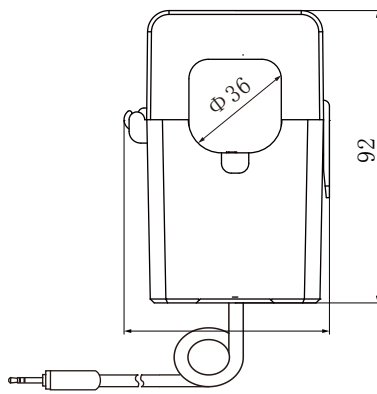


Front view

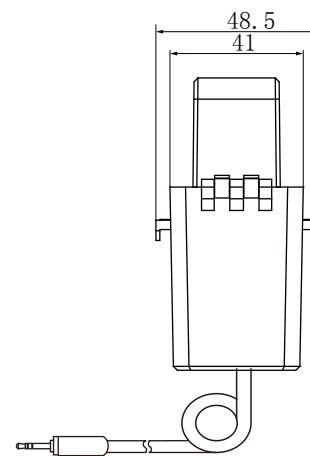
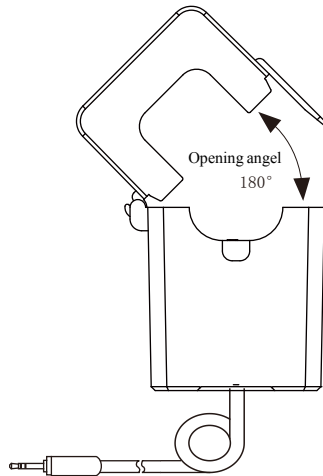


Side view

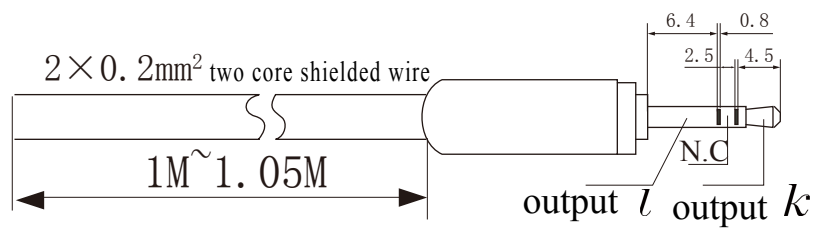
Dimensions②: (in:mm ± 0.5)



Front view



Side view



Standard Φ3.5mm three-core plug diagram