SCT024TSL (Two core shielded wire with 3.5 mm audio connectors)

Φ24 mm diameter Split core current transformer

Front view

Opening view

Bottom view

Product features

- Secure locking buckle, easy to install
- Leading wire output (0.2mm Two core shielded wire)
- Can customize a variety of output
- Suspended mounting

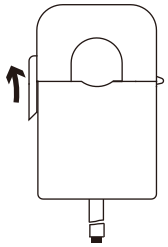
Product application

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

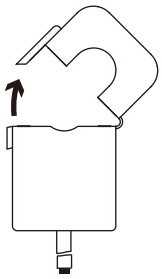
Product advantage

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

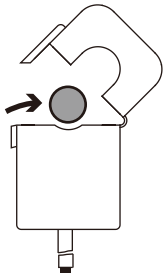
Installation diagram



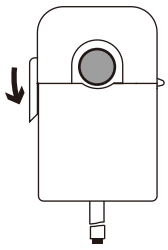
1.Open the buckle



2.Open upward



3.Put in lead wire



4.Fasten the buckle

Typical technical index:

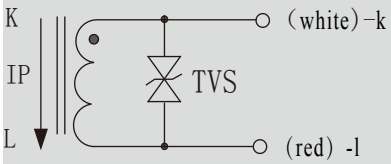
- Material of core——Silicon steel sheet
- Working voltage——Phase voltage≤720V
- Working temperature——-25℃～+60℃
- Storage temperature——-30℃～+90℃
- Frequency range——50Hz～60Hz
- Dielectric strength——Input（bare conductor）/output AC 800V/1min 5mA 50Hz
  Output/Outer shell AC 3.5KV/1min 5mA 50Hz)
- Weight————220g

Electrical parameters (The following parameters are typical values. The actual values shall be subject to the actual measurement of the product)

Can be made according to user requirements parameters

Model	Input current	Output voltage	Load resistance	Accuracy	sampling resistance	Lead specification/schematic diagram
SCT024TSL	50A	50mA	1:1000	1%	20Ω	
SCT024TSL	100A	50mA	1:2000	1%	20Ω	
SCT024TSL	200A	20mA	1:10000	1%	50Ω	
SCT024TSL	200A	50mA	1:4000	1%	20Ω	
SCT024TSL	300A	50mA	1:6000	1%	20Ω	
SCT024TSL	400A	50mA	1:8000	1%	20Ω	
SCT024TSL	400A	80mA	1:5000	1%	20Ω	
SCT024TSL	400A	100mA	1:4000	1%	8Ω	

Leading wire specification:
$2x0.2mm^2$
Two core shielded wire
lead length: 100cm~105cm

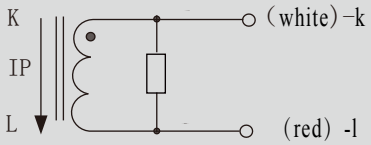


TVS: Transient voltage suppressor(7.5V)

current output type.
the secondary is not allowed to open.

Model	Input current	Output voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT024TSL	50A	0.333V	1%	≥10KΩ	
SCT024TSL	100A	0.333V	1%	≥10KΩ	
SCT024TSL	200A	0.333V	1%	≥10KΩ	
SCT024TSL	300A	0.333V	1%	≥10KΩ	
SCT024TSL	400A	0.333V	1%	≥10KΩ	

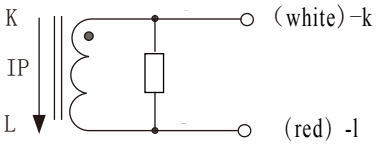
Leading wire specification:
$2x0.2mm^2$
Two core shielded wire
lead length: 100cm~105cm



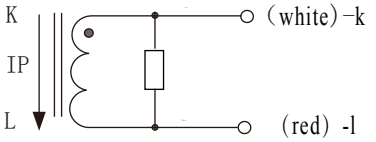
sampling resistance built-in

voltage output type not allowed secondary short circuit.

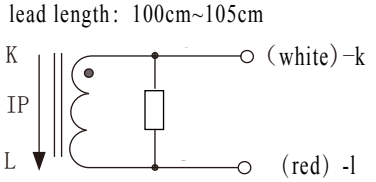
Model	Input current	Output voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT024TSL	50A	1V	1%	≥10KΩ	Leading wire specification: 2x0.2mm² Two core shielded wire lead length: 100cm~105cm
SCT024TSL	100A	1V	1%	≥10KΩ	
SCT024TSL	200A	1V	1%	≥10KΩ	
SCT024TSL	300A	1V	1%	≥10KΩ	
SCT024TSL	400A	1V	1%	≥10KΩ	sampling resistance built-in voltage output type not allowed secondary short circuit.



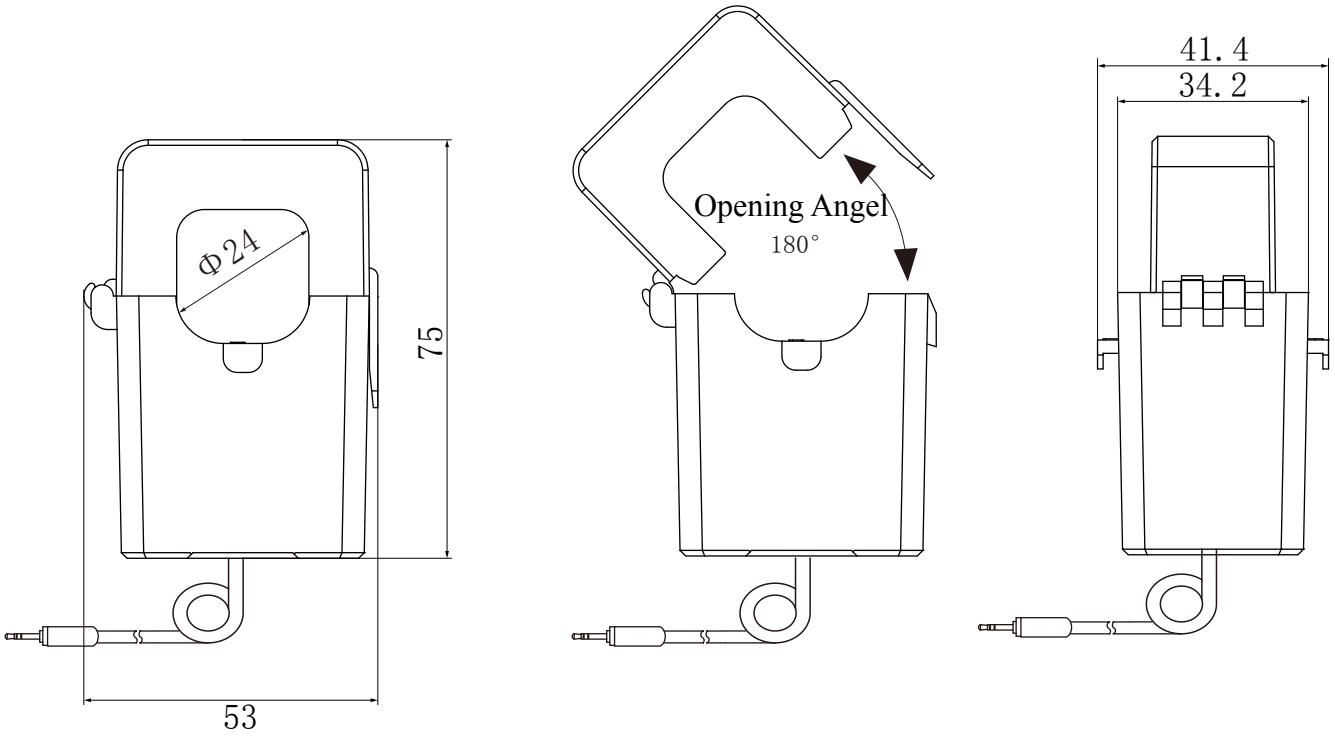
Model	Input current	Output voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT024TSL	50A	3V	1%	≥10KΩ	Leading wire specification: 2x0.2mm² Two core shielded wire lead length: 100cm~105cm
SCT024TSL	100A	3V	1%	≥10KΩ	
SCT024TSL	200A	3V	1%	≥10KΩ	
SCT024TSL	300A	3V	1%	≥10KΩ	
SCT024TSL	400A	3V	1%	≥10KΩ	sampling resistance built-in voltage output type not allowed secondary short circuit.

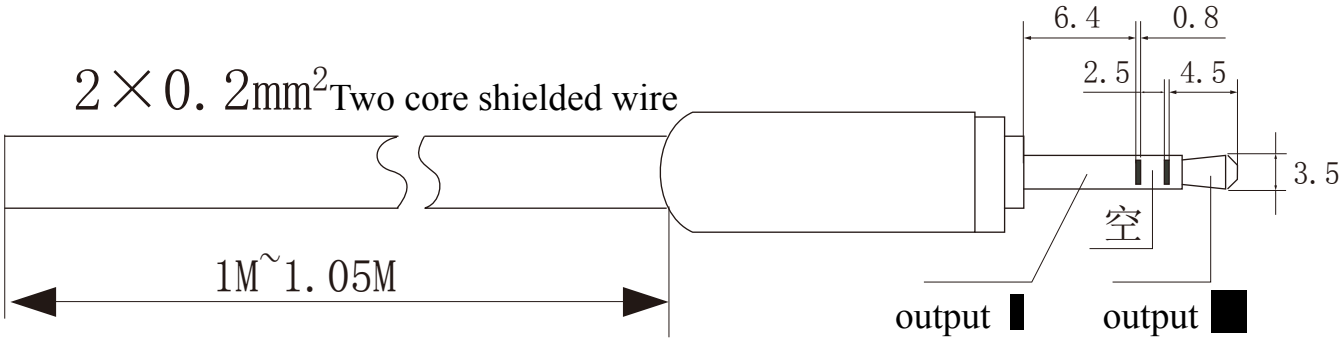


Model	Input current	Output voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT024TSL	50A	5V	1%	≥10KΩ	Leading wire specification: 2x0.2mm² Two core shielded wire lead length: 100cm~105cm
SCT024TSL	100A	5V	1%	≥10KΩ	
SCT024TSL	200A	5V	1%	≥10KΩ	
SCT024TSL	300A	5V	1%	≥10KΩ	
SCT024TSL	400A	5V	1%	≥10KΩ	sampling resistance built-in voltage output type not allowed secondary short circuit.



Outline size: (in:mm)





Standard Φ3.5mm three-pin plug diagram