

Φ45mm Aperture Split core current transformer



Characteristic

- Safety lock buckle, easy installation
- Cable output
- The length can be customized
- Free hanging (In-Line) mounting

Product application

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

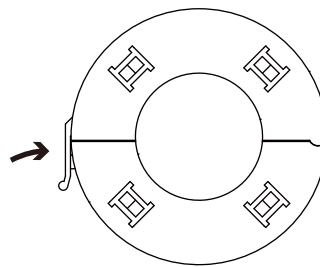
Product advantage

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

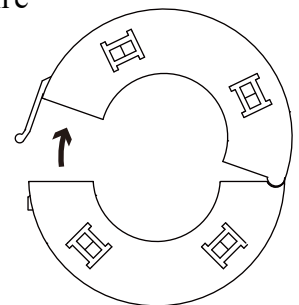
Installation diagram

Primary threading method

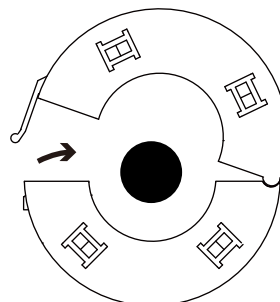
Firing line



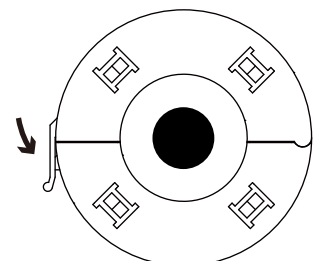
1. Open the buckle



2. Open upward



3. Put in lead wire

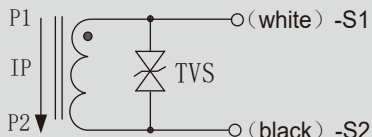


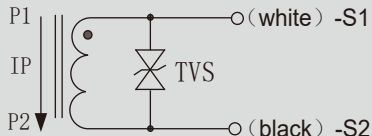
4. Fasten the buckle

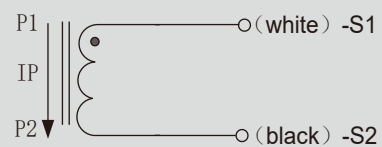
Typical technical index:

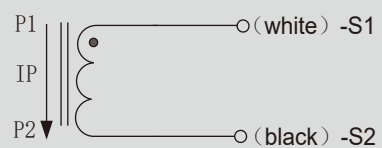
- Material of core——Laminated silicon steel
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-30^{\circ}C \sim +65^{\circ}C$
- Storage temperature—— $-40^{\circ}C \sim +85^{\circ}C$
- Frequency range—— $50Hz \sim 60Hz$
- Waterproof grade——IP00
- Dielectric strength——Input (bare conductor) /output AC 800V/1min 5mA 50Hz
Output/Outer shell AC 3.5KV/1min 5mA 50Hz)
- Weight———325g

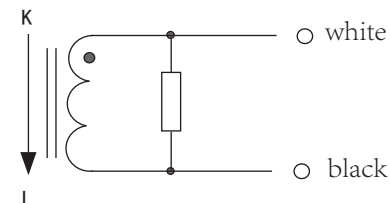
Electrical parameters (The following parameters are typical values. The actual values shall be subject to the

Model	Input current	Output current	Turns ratio	Accuracy	resistance	Cable specification/schematic diagram
SCT045R	100A	50mA	1:2000	0.5%	20 Ω	Specification of cable: 0.3mm ² black and white parallel lines Length of cable: 145cm~150cm  TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.
SCT045R	200A	50mA	1:4000	0.5%	50 Ω	
SCT045R	300A	50mA	1:6000	0.5%	50 Ω	
SCT045R	400A	50mA	1:8000	0.5%	50 Ω	
SCT045R	500A	50mA	1:10000	0.5%	50 Ω	
SCT045R	600A	50mA	1:12000	0.5%	50 Ω	

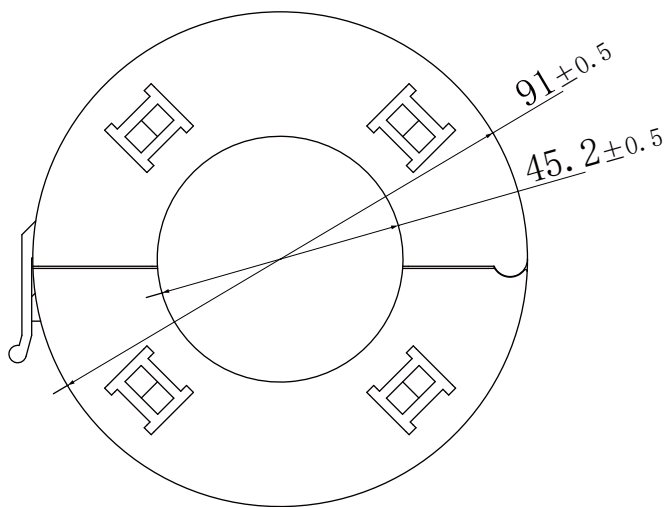
Model	Input current	Output current	Turns ratio	Accuracy	resistance	Cable specification/schematic diagram
SCT045R	100A	0.1A	1:1000	0.5%	10 Ω	Specification of cable: 0.3mm ² black and white parallel lines Length of cable: 145cm~150cm  TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.
SCT045R	200A	0.1A	1:2000	0.5%	10 Ω	
SCT045R	300A	0.1A	1:3000	0.5%	10 Ω	
SCT045R	400A	0.1A	1:4000	0.5%	10 Ω	
SCT045R	500A	0.1A	1:5000	0.5%	10 Ω	
SCT045R	600A	0.1A	1:6000	0.5%	10 Ω	

Model	Input current	Output current	Turns ratio	Accuracy	Cable specification/schematic diagram
SCT045R	100A	1A	1:100	0.5%	Specification of cable: 0.3mm² black and white parallel lines Length of cable: 145cm~150cm  current output type. the secondary is not allowed to open.
SCT045R	200A	1A	1:200	0.5%	
SCT045R	300A	1A	1:300	0.5%	
SCT045R	400A	1A	1:400	0.5%	
SCT045R	500A	1A	1:500	0.5%	
SCT045R	600A	1A	1:600	0.5%	

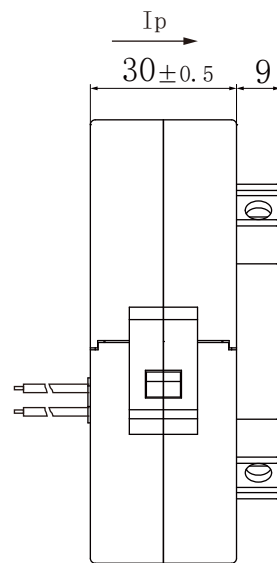
Model	Input current	Output current	Turns ratio	Accuracy	Cable specification/schematic diagram
SCT045R	100A	5A	1:20	3%	Specification of cable: 1mm² black and white twisted pair wire Length of cable: 145cm~150cm  current output type. the secondary is not allowed to open.
SCT045R	200A	5A	1:40	1%	
SCT045R	300A	5A	1:60	1%	
SCT045R	400A	5A	1:80	1%	
SCT045R	500A	5A	1:100	1%	
SCT045R	600A	5A	1:120	1%	

Model	Input current	Output voltage	Accuracy	Load impedance	Cable specification/schematic diagram
SCT045R	100A	0.333V	0.5%/1%	$\geq 10K \Omega$	Specification of cable: 0.3mm² black and white parallel lines Length of cable: 145cm~150cm  Voltage output type : Built-in with sampling resistance Voltage output type : not allowed secondary short circuit.
SCT045R	200A	0.333V	0.5%/1%	$\geq 10K \Omega$	
SCT045R	300A	0.333V	0.5%/1%	$\geq 10K \Omega$	
SCT045R	500A	0.333V	0.5%/1%	$\geq 10K \Omega$	
SCT045R	600A	0.333V	0.5%/1%	$\geq 10K \Omega$	
Noted: The rated current $\leq 400A$ are the standard product					

Dimensions: (in:mm±0.5)



Front view



Side view