

Φ23mm 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

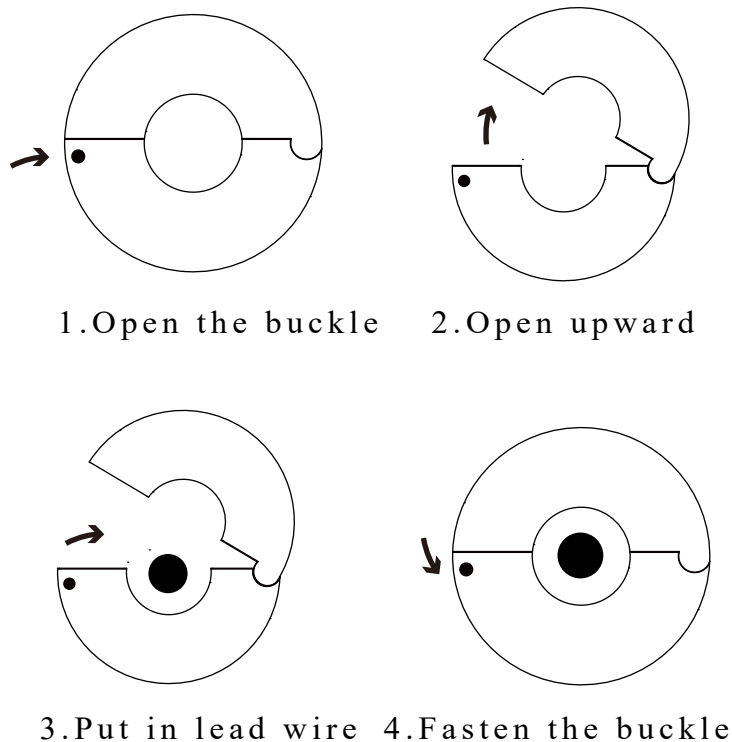
- Portable instrument
- Household metering
- Monitoring the load of machine

## Product advantage

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

## Installation diagram

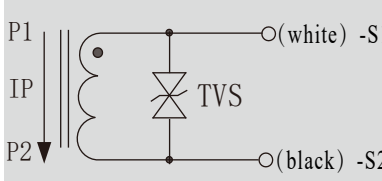
Primary threading method (firing line)

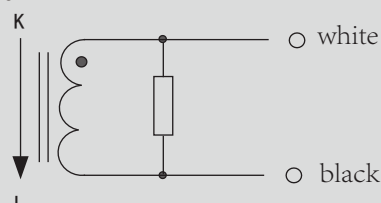


### Typical technical index:

- 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——103g

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

| Model   | Input current | Output current | turns ratio | Accuracy | Sampling resistance | Cable specification/<br>Schematic diagram                                                                                                                                                                                                                                                                               |
|---------|---------------|----------------|-------------|----------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCT023R | 100A          | 50mA           | 1:2000      | 0.5%     | 50 $\Omega$         | <p>Specification of cable:<br/>0.3mm<sup>2</sup> black and white parallel lines<br/>Length of cable: 145cm~150cm</p>  <p>TVS: Transient voltage suppressor</p> <p>current output type<br/>the secondary is not allowed to open</p> |
| SCT023R | 100A          | 80mA           | 1:1250      | 0.5%     | 20 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 100A          | 100mA          | 1:1000      | 0.5%     | 10 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 200A          | 50mA           | 1:4000      | 0.5%     | 80 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 200A          | 80mA           | 1:2500      | 0.5%     | 30 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 200A          | 100mA          | 1:2000      | 0.5%     | 20 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 300A          | 50mA           | 1:6000      | 0.5%     | 80 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 300A          | 80mA           | 1:3750      | 0.5%     | 30 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 300A          | 100mA          | 1:3000      | 0.5%     | 20 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 400A          | 50mA           | 1:8000      | 0.5%     | 100 $\Omega$        |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 400A          | 80mA           | 1:5000      | 0.5%     | 40 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |
| SCT023R | 400A          | 100mA          | 1:4000      | 0.5%     | 25 $\Omega$         |                                                                                                                                                                                                                                                                                                                         |

| Model   | Input current | Output voltage | Accuracy | Load impedance    | Cable specification/<br>Schematic diagram                                                                                                                                                                                                                                                                |
|---------|---------------|----------------|----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCT023R | 50A           | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ | Specification of cable:<br>0.3mm <sup>2</sup> black and white parallel lines<br>Length of cable: 145cm~150cm<br><br>Voltage output type :<br>built-in with sampling resistance<br>not allowed secondary short circuit |
| SCT023R | 100A          | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ |                                                                                                                                                                                                                                                                                                          |
| SCT023R | 200A          | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ |                                                                                                                                                                                                                                                                                                          |
| SCT023R | 300A          | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ |                                                                                                                                                                                                                                                                                                          |
| SCT023R | 400A          | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ |                                                                                                                                                                                                                                                                                                          |
| SCT023R | 600A          | 0.333V         | 0.5%/1%  | $\geq 10K \Omega$ |                                                                                                                                                                                                                                                                                                          |

**Statement:**

As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

**Dimensions: (in:mm±0.5)**

