



SCT023R 50A Split Core Current Transformer



PowerUC SCT023R 50A Split Core Current Transformer Installation Guide

[Home](#) » [Poweruc](#) » **PowerUC SCT023R 50A Split Core Current Transformer Installation Guide** 

Contents

- [1 PowerUC SCT023R 50A Split Core Current Transformer](#)
- [2 Specifications](#)
- [3 FAQs](#)
- [4 Installation Diagram](#)
- [5 Product Application](#)
- [6 Typical Technical Index](#)
- [7 Electrical Parameters](#)
- [8 Dimensions](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)



PowerUC SCT023R 50A Split Core Current Transformer



Specifications

- **Model:** SCT023R
- **Input Current:** 50mA – 100mA
- **Output Current:** 20mA – 100mA
- **Turns Ratio:** 1:1000 – 1:6000
- **Accuracy:** 0.5%
- **Sampling Resistance:** 10 – 100

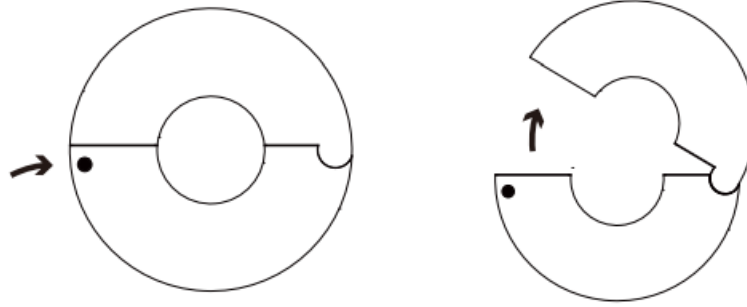
FAQs

- **Q: Can the product be used with higher input currents?**
 - **A:** The product specifications indicate the recommended input current range. Using currents outside this range may affect performance and accuracy.
- **Q: Is it possible to modify the device for specific applications?**
 - **A:** As stated in the product manual, modifications to the device may void the warranty and are not recommended without prior consultation with the manufacturer.

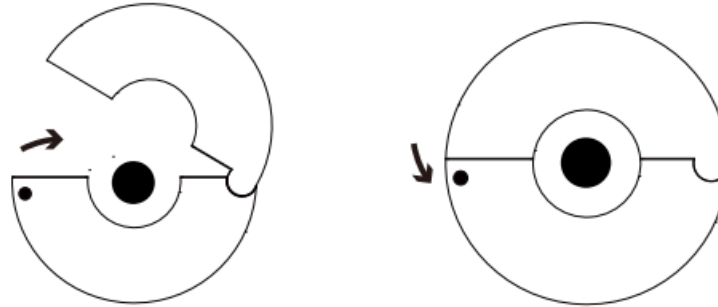
Installation Diagram

Primary threading method firing line

1. Open the buckle
2. Open upward



3. Put in lead wire
4. Fasten the buckle



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 the machine

Product advantage

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

Typical Technical Index

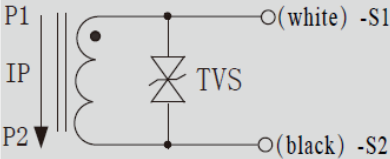
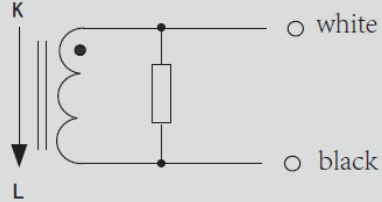
- **Material of core** Laminated silicon steel
- **Working voltage** Phase voltage $\leq 720V$
- **Working temperature** $30^{\circ}C \sim +65^{\circ}C$
- **Storage temperature** $40^{\circ}C \sim +85^{\circ}C$
- **Frequency range** $50Hz \sim 60Hz$
- **Waterproof grade** IP00
- **Dielectric strength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

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/ Schematic diagram
SCT023R	100A	50mA	1:2000	0.5%	50 Ω	<p>Specification of cable: 0.3mm² black and white twisted pair wire Length of cable: 145cm~150cm</p>  <p>TVS: Transient voltage suppressor</p> <p>current output type the secondary is not allowed to open</p>
SCT023R	100A	80mA	1:1250	0.5%	20 Ω	
SCT023R	100A	100mA	1:1000	0.5%	10 Ω	
SCT023R	200A	50mA	1:4000	0.5%	80 Ω	
SCT023R	200A	80mA	1:2500	0.5%	30 Ω	
SCT023R	200A	100mA	1:2000	0.5%	20 Ω	
SCT023R	300A	50mA	1:6000	0.5%	80 Ω	
SCT023R	300A	80mA	1:3750	0.5%	30 Ω	
SCT023R	300A	100mA	1:3000	0.5%	20 Ω	
SCT023R	400A	50mA	1:8000	0.5%	100 Ω	
SCT023R	400A	80mA	1:5000	0.5%	40 Ω	
SCT023R	400A	100mA	1:4000	0.5%	25 Ω	
Model	Input current	Output voltage	Accuracy	Load impedance	Cable specification/ Schematic diagram	
SCT023R	50A	0.333V	0.5%/1%	≥10K Ω	<p>Specification of cable: 0.3mm² black and white twisted pair wire Length of cable: 145cm~150cm</p>  <p>Voltage output type : built-in with sampling resistance not allowed secondary short circuit</p>	
SCT023R	100A	0.333V	0.5%/1%	≥10K Ω		
SCT023R	200A	0.333V	0.5%/1%	≥10K Ω		
SCT023R	300A	0.333V	0.5%/1%	≥10K Ω		
SCT023R	400A	0.333V	0.5%/1%	≥10K Ω		
SCT023R	600A	0.333V	0.5%/1%	≥10K Ω		

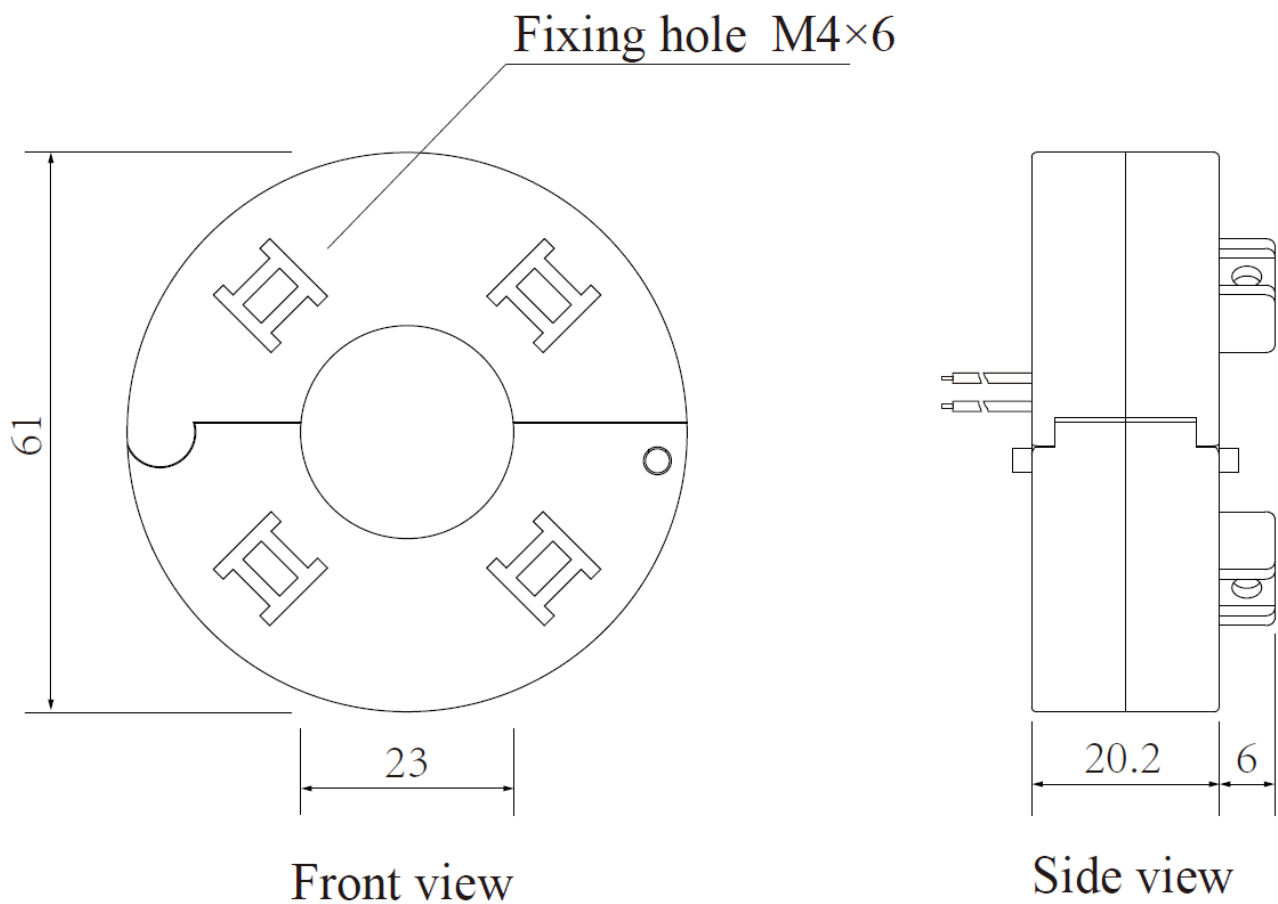
Statement

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.

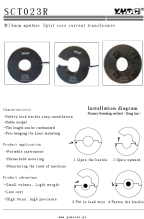
Dimensions

Dimensions: (in:mm±0.5)



www.poweruc.pl.

Documents / Resources

	<p>PowerUC SCT023R 50A Split Core Current Transformer [pdf] Installation Guide SCT023R 50A, SCT023R 100A, SCT023R 200A, SCT023R 300A, SCT023R 400A, SCT023R 600A, SCT023R 50A Split Core Current Transformer, SCT023R 50A, Split Core Current Transformer, Core Current Transformer, Current Transformer, Transformer</p>
---	--

References

- [Offer to sell domain: ruc.pl](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.