

## Φ65mm Aperture Split core current transformer



### Product features

- Secure locking buckle, easy to install
- Lead wire type output
- the length can be customized
- Suspended mounting

### Product application

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

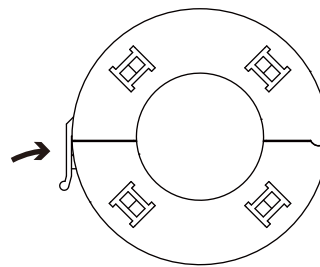
### Product advantage

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

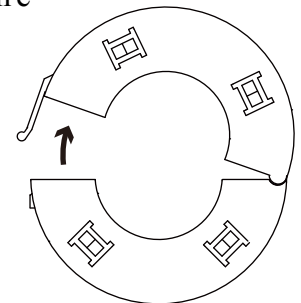
### Installation diagram

Primary threading method

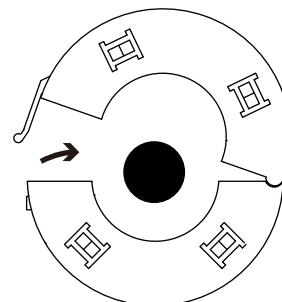
Firing line



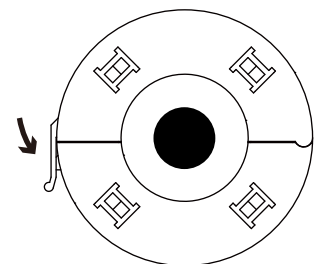
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

**Typical technical index:**

- Material of core——Silicon steel sheet
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-30\text{ }^{\circ}\text{C} \sim +65\text{ }^{\circ}\text{C}$
- Storage temperature—— $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$
- Frequency range—— $50\text{Hz} \sim 60\text{Hz}$
- Dielectric strength——Input (bare conductor) /output AC  $800V/1\text{min } 5\text{mA } 50\text{Hz}$   
Output/Outer shell AC  $3.5KV/1\text{min } 5\text{mA } 50\text{Hz}$ )
- Weight———592g

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

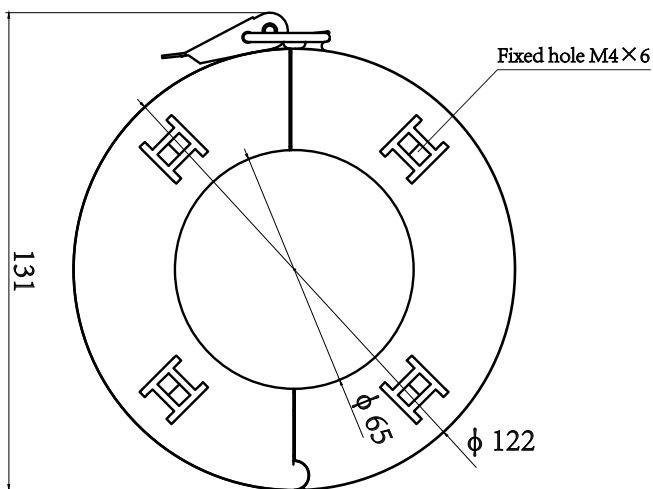
Model	Input current	Output current	Turns ratio	Accuracy	resistance	Lead specification/schematic diagram
SCT065R	300A	50mA	1:6000	0.5%	20 $\Omega$	<p>Leading wire specification:  <math>0.3\text{ mm}^2</math> Black and white twisted pair                      lead length:                      145cm~150cm</p> <p>TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.</p>
SCT065R	400A	50mA	1:8000	0.5%	50 $\Omega$	
SCT065R	500A	50mA	1:10000	0.5%	50 $\Omega$	
SCT065R	600A	50mA	1:12000	0.5%	50 $\Omega$	
SCT065R	—	—	—	—	—	
SCT065R	—	—	—	—	—	

Model	Input current	Output current	Turns ratio	Accuracy	resistance	Lead specification/schematic diagram
SCT065R	300A	0.1A	1:3000	0.5%	10 $\Omega$	<p><math>0.3\text{ mm}^2</math> Black and white twisted pair                      lead length:                      145cm~150cm</p> <p>TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.</p>
SCT065R	400A	0.1A	1:4000	0.5%	10 $\Omega$	
SCT065R	500A	0.1A	1:5000	0.5%	10 $\Omega$	
SCT065R	600A	0.1A	1:6000	0.5%	10 $\Omega$	
SCT065R	700A	0.1A	1:7000	0.5%	10 $\Omega$	
SCT065R	800A	0.1A	1:8000	0.5%	10 $\Omega$	

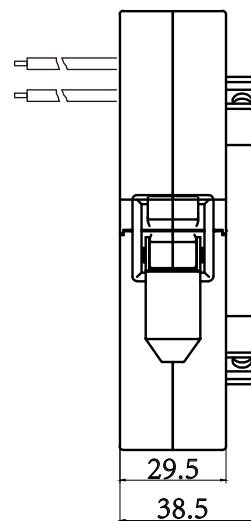
Model	Input current	Output current	Turns ratio	Accuracy	Lead specification/schematic diagram
SCT065R	300A	1A	300:1	0.5%	<p>Leading wire specification:  <math>0.3\text{mm}^2</math> Black and white twisted pair                      lead length:                      145cm~150cm</p> <p>current output type.                      the secondary is not allowed to open.</p>
SCT065R	400A	1A	400:1	0.5%	
SCT065R	500A	1A	500:1	0.5%	
SCT065R	600A	1A	600:1	0.5%	
SCT065R	700A	1A	700:1	0.5%	
SCT065R	800A	1A	800:1	0.5%	

Model	Input current	Output current	Turns ratio	Accuracy	Lead specification/schematic diagram
SCT065R	300A	5A	300:5	1%	<p>Leading wire specification:  <math>1\text{mm}^2</math> Black and white twisted pair                      lead length:                      145cm~150cm</p> <p>current output type.                      the secondary is not allowed to open.</p>
SCT065R	400A	5A	400:5	1%	
SCT065R	500A	5A	500:5	1%	
SCT065R	600A	5A	600:5	1%	
SCT065R	700A	5A	700:5	1%	
SCT065R	800A	5A	800:5	1%	

Dimensions: (in:mm±0.5)



Front view



Side view