



YHDC SCT016T 16mm Aperture Split Core Current Transformer Owner's Manual

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YHDC SCT016T 16mm Aperture Split Core Current Transformer



Product Information

SCT016T – 16mm Aperture Split core current transformer

The SCT016T is a split core current transformer with a 16mm aperture. It is designed for accurate measurement of electrical currents in various applications.

Characteristic:

- Installation diagram
- Primary threading method: Firing line

Product Application:

The SCT016T can be used in various electrical installations and systems.

Product Advantage:

- Easy to install with a buckle fastening system
- Comes with lead wire for convenient connection

Typical Technical Index:

Output/Outer shell AC: 3.5KV/1min 5mA 50Hz

Electrical Parameters:

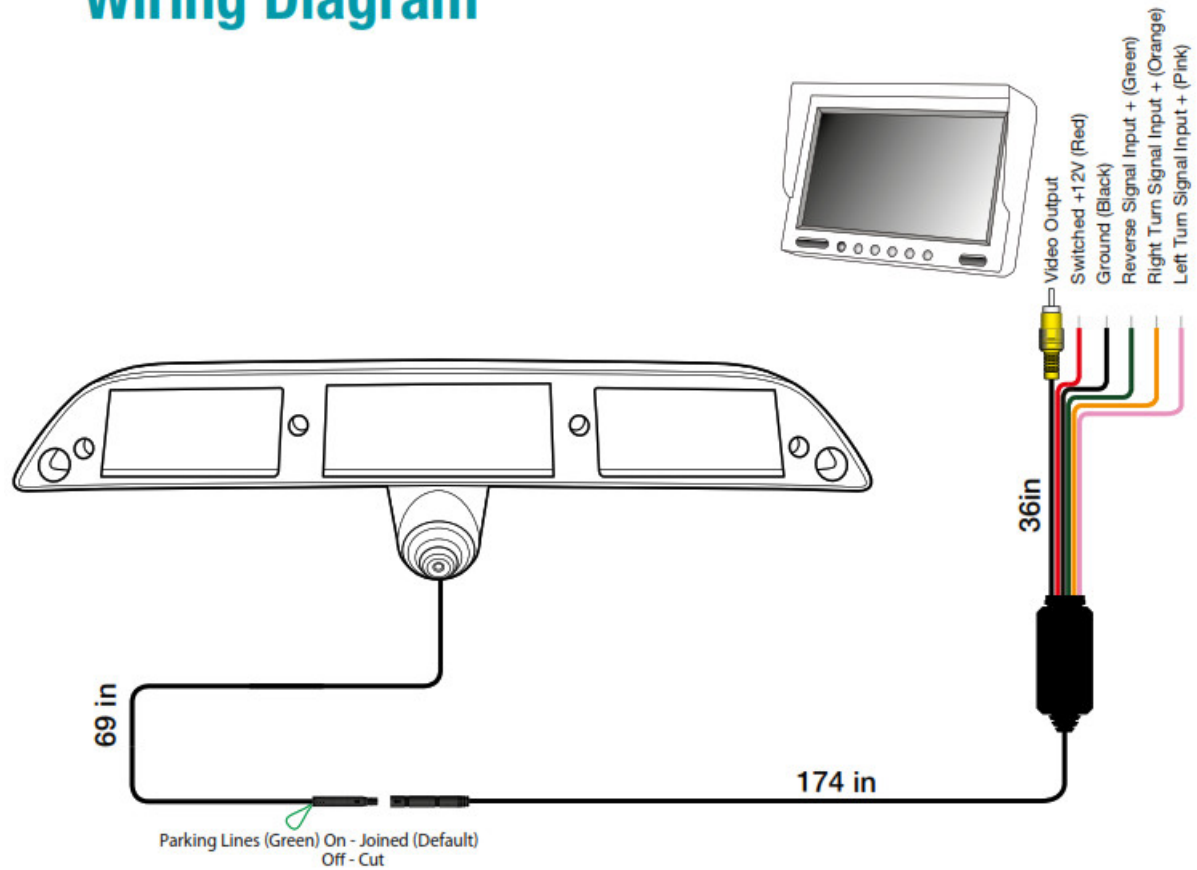
The following parameters are typical values and actual values will be subject to product testing.

Model	Max. Continuous Input Current	Input Current	Output	Turns Ratio	Load Resistance	Accuracy	Linearity	Weight
SCT016T	10A	10mA	11000	10	—	0.5%/1%	1%	70g
SCT016T	50A	50mA	11000	10	—	0.5%/1%	1%	70g
SCT016T	50A	25mA	12000	10	—	0.5%/1%	1%	70g
SCT016T	100A	100mA	11000	10	—	0.5%/1%	1%	70g
SCT016T	100A	50mA	12000	10	—	0.5%/1%	1%	70g
SCT016T	100A	33mA	13000	10	—	0.5%/1%	1%	70g
SCT016T	100A	20mA	15000	10	—	0.5%/1%	1%	70g
SCT016T	120A	60mA	12000	10	—	0.5%/1%	1%	70g
SCT016T	120A	40mA	13000	10	—	0.5%/1%	1%	70g

*Can be customized parameters/lead length/lead specifications according to user requirements.

Wiring Schematic Diagram:

Wiring Diagram



Outline Size:

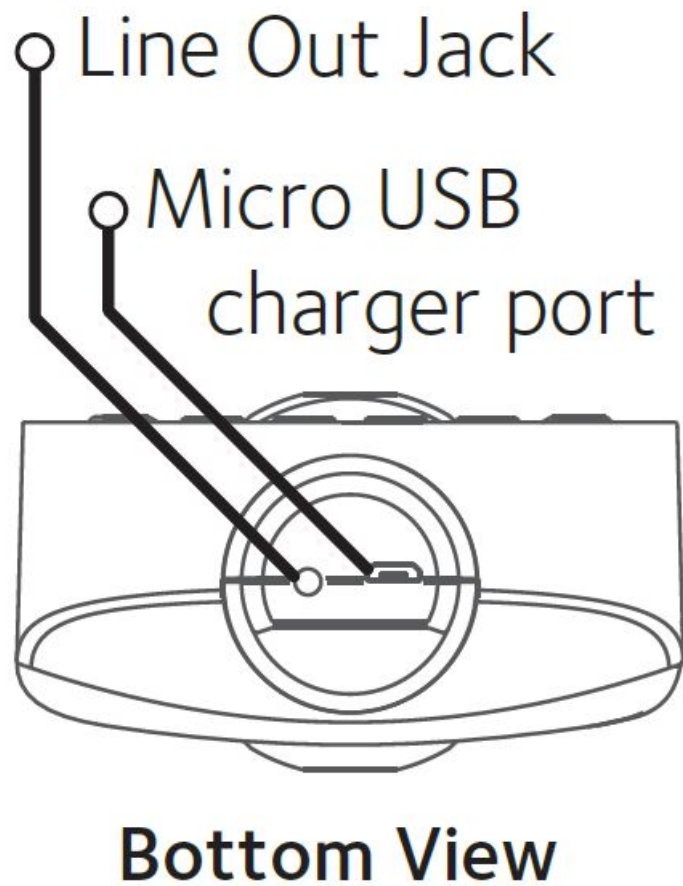
16mm x 33.5mm x 6mm

For more information, please visit www.poweruc.pl

Front View:



Bottom View:



For output crimp terminal and side view, please refer to the product documentation.

Product Usage Instructions

1. Open the buckle on the SCT016T.
2. Lift the SCT016T upward to expose the opening.
3. Insert the lead wire into the opening.
4. Fasten the buckle to secure the lead wire.

Please follow the provided wiring schematic diagram for proper installation.

Note: Ensure that the secondary does not allow short circuit (for voltage output type) or open circuit (for current output type).

Φ16mmAperture Split core current transformer



Front view



Opening view



Bottom view

Characteristic

- Safety lock buckle, easy to install
- Built-in over-voltage protection device (TVS tube)
- Crimping terminal output
- Suspended type

Product application

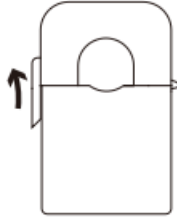
- Portable instrument
- Household metering
- Monitor motor load

Product advantage

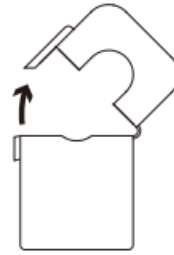
- Small volume Light weight
- Low cost
- High turns High precision

Installation diagram

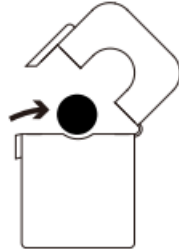
Primary threading method Firing line



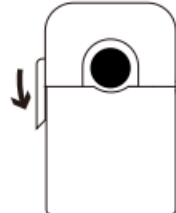
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

Typical technical index

- Material of core——Ferrite
- Working voltage——Phase voltage \leq 720V
- Working temperature—— -25°C $+60^{\circ}\text{C}$
- Storage temperature—— -30°C $+90^{\circ}\text{C}$
- Frequency range——50Hz 1KHz
- Dielectric strength——Input bare conductor /output AC 800V/1min 5mA 50Hz

Output/Outer shell AC 3.5KV/1min 5mA 50Hz

Electrical parameters: The following parameters are typical values and actual values will be subject to product testing

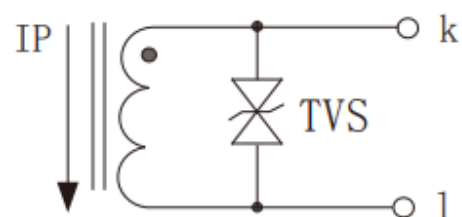
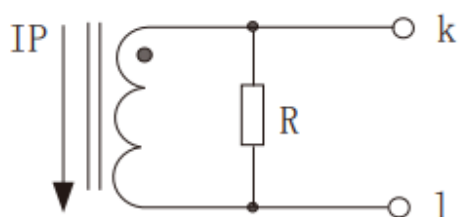
Max. continuous input current: 120% of rated input

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016T	10A	10mA	1: 1000	10 Ω	0.5%/1%	1%	70g
SCT016T	50A	50mA	1: 1000	10 Ω	0.5%/1%	1%	70g
SCT016T	50A	25mA	1: 2000	10 Ω	0.5%/1%	1%	70g
SCT016T	100A	100mA	1: 1000	10 Ω	0.5%/1%	1%	70g
SCT016T	100A	50mA	1: 2000	10 Ω	0.5%/1%	1%	70g
SCT016T	100A	33mA	1: 3000	10 Ω	0.5%/1%	1%	70g
SCT016T	100A	20mA	1: 5000	10 Ω	0.5%/1%	1%	70g
SCT016T	120A	60mA	1: 2000	10 Ω	0.5%/1%	1%	70g
SCT016T	120A	40mA	1: 3000	10 Ω	0.5%/1%	1%	70g

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016T	10A	0.333V	-	built-in	0.5%/1%	1%	70g
SCT016T	30A	0.333V	-	built-in	0.5%/1%	1%	70g
SCT016T	50A	0.333V	-	built-in	0.5%/1%	1%	70g
SCT016T	80A	0.333V	-	built-in	0.5%/1%	1%	70g
SCT016T	100A	0.333V	-	built-in	0.5%/1%	1%	70g
SCT016T	120A	0.333V	-	built-in	0.5%/1%	1%	70g

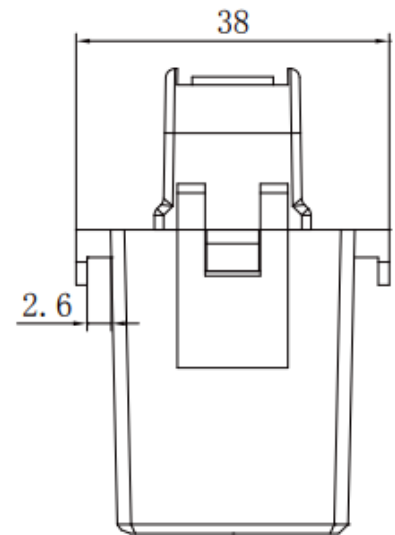
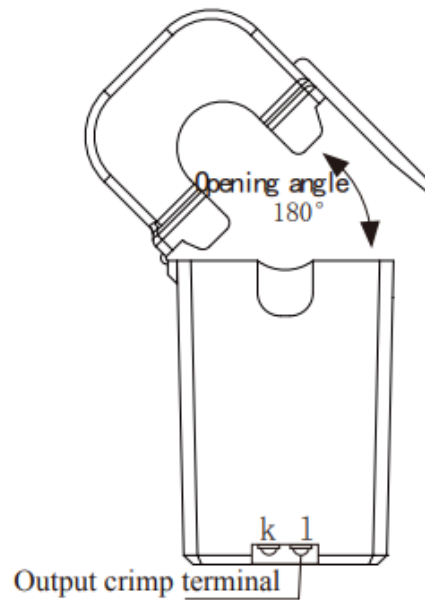
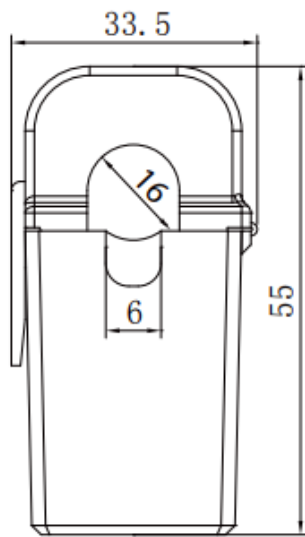
Can be customized parameters/lead length/lead specifications according to user requirements.

Wiring schematic diagram



- Built-in sampling resistance Voltage output type Secondary doesn't allow short circuit
- TVS: Transient voltage suppressor Current output type Secondary doesn't allow open circuit

Outline size (in:mm)



www.poweruc.pl

Documents / Resources

	<p>YHDC SCT016T 16mm Aperture Split Core Current Transformer [pdf] Owner's Manual</p> <p>SCT016T, SCT016T 16mm Aperture Split Core Current Transformer, 16mm Aperture Split Core Current Transformer, Aperture Split Core Current Transformer, Split Core Current Transformer, Core Current Transformer, Current Transformer, Transformer</p>
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