



YHDC SCT010T Aperture Split Core Current Transformer Owner's Manual

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SCT010T
Φ10mm Aperture Split core current transformer



Front view



Opening view



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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

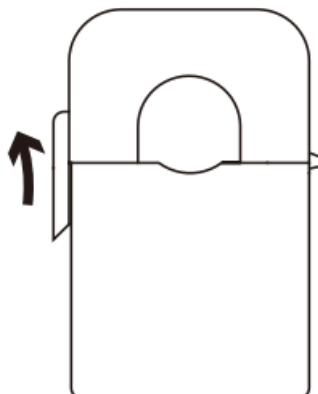
Product advantage

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

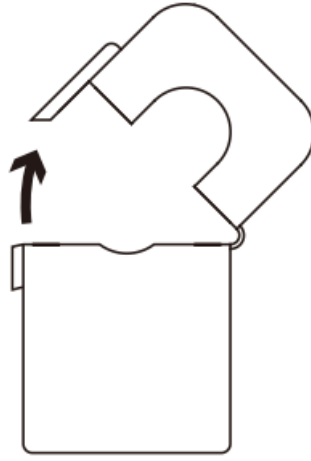
Installation diagram

Primary threading method Firing line

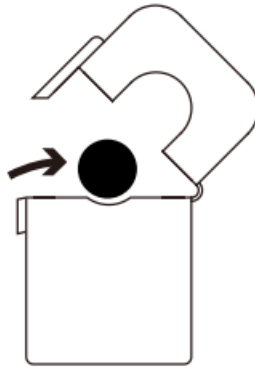
1. Open the buckle



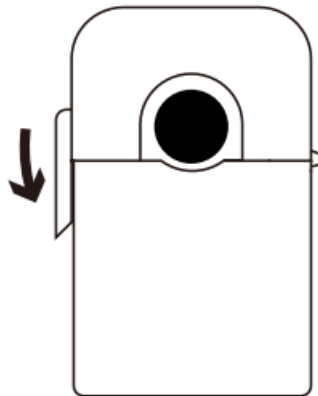
2. Open upward



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°C
- Storage temperature——-30°C +90°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

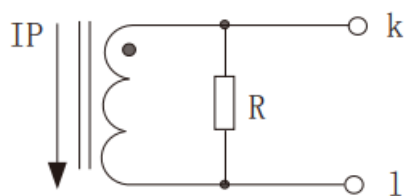
Max. continuous input current: 120% of rated input

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT010T	20A	20mA	1 1000	10Ω	0.5%/1%	1%	45g
SCT010T	20A	5mA	1 4000	10Ω	0.5%/1%	1%	45g
SCT010T	50A	0.1A	0.388889	10Ω	0.5%/1%	1%	45g
SCT010T	50A	50mA	1 1000	10Ω	0.5%/1%	1%	45g
SCT010T	50A	16.6mA	1 3000	10Ω	0.5%/1%	1%	45g
SCT010T	60A	20mA	1 3000	10Ω	0.5%/1%	1%	45g
SCT010T	80A	80mA	1 1000	10Ω	0.5%/1%	1%	45g
SCT010T	80A	40mA	1 2000	10Ω	0.5%/1%	1%	45g
SCT010T	80A	26.6mA	1 3000	10Ω	0.5%/1%	1%	45g
SCT010T	10A	0.333V	–	built-in	0.5%/1%	1%	45g
SCT010T	20A	0.333V	–	built-in	0.5%/1%	1%	45g
SCT010T	30A	0.333V	–	built-in	0.5%/1%	1%	45g
SCT010T	50A	0.333V	–	built-in	0.5%/1%	1%	45g
SCT010T	60A	0.333V	–	built-in	0.5%/1%	1%	45g
SCT010T	80A	0.333V	–	built-in	0.5%/1%	1%	45g

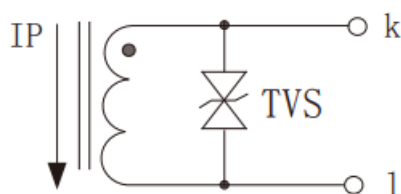
*Can be customized parameters/lead length/lead specifications according to user requirements.

Wiring schematic diagram

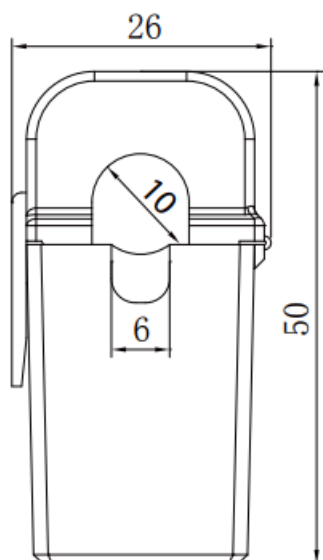
Built-in sampling resistance Voltage output type Secondary doesn't allow short circuit



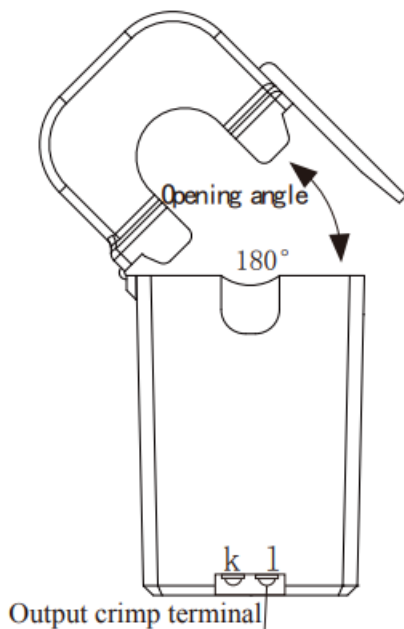
TVS Transient voltage suppressor Current output type Secondary doesn't allow open circuit



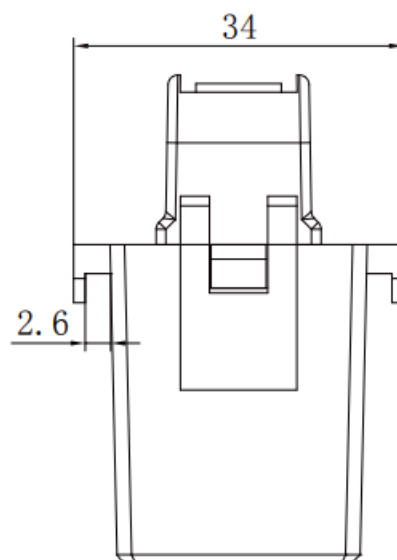
Outline size (in:mm)



Front view



Output crimp terminal



Side view

www.poweruc.pl

Documents / Resources

	YHDC SCT010T Aperture Split Core Current Transformer [pdf] Owner's Manual SCT010T, SCT010T 50A, SCT010T 60A, SCT010T 80A, SCT010T Aperture Split Core Current Transformer, Aperture Split Core Current Transformer, Split Core Current Transformer, Current Transformer, Transformer
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