



YHDC SCT024TSL Split Core Current Transformer Instruction Manual

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Product features

- Secure locking buckle, easy to install
- Leading wire output (Three lead specifications)
- Can customize a variety of output
- Suspended mounting

Product application

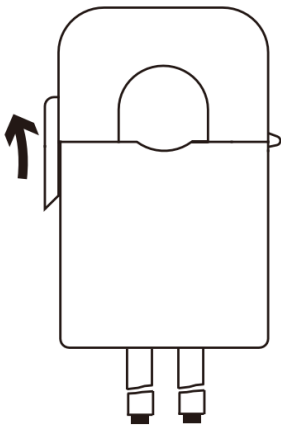
- Portable instrument
- House hold metering
- Monitoring the load of machine

Product advantage

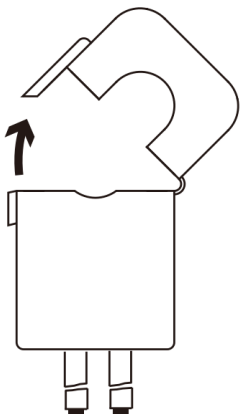
- Small volume, Light weight
- Low cost
- High turns, High precision

Installation diagram

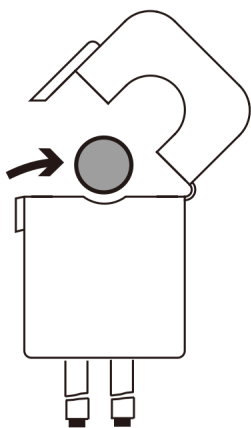
1. Open the buckle



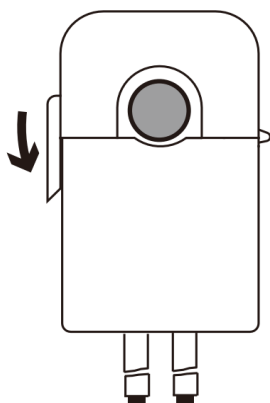
2. Open upward



3. Put in lead wire



4. Fasten the buckle

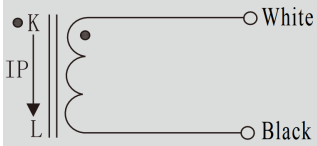


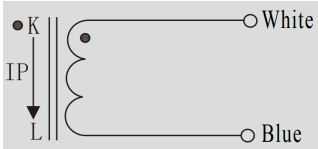
Typical technical index:

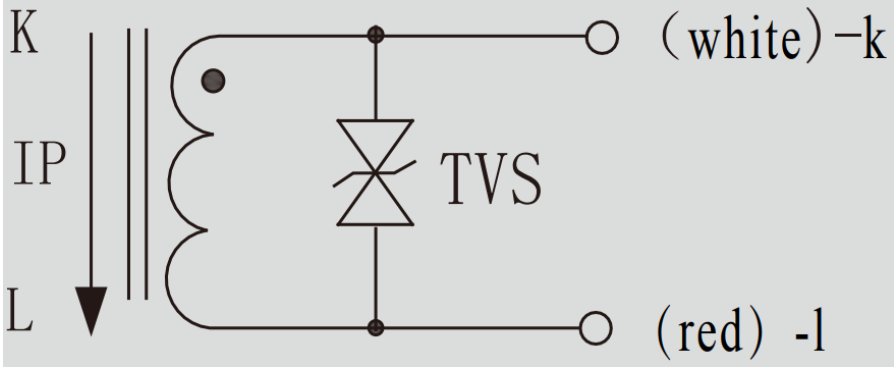
- Material of core——Silicon steel sheet
- Working voltage——Phase voltage ≤ 720 V
- Working temperature—— -25°C $+60^{\circ}\text{C}$
- Storage temperature—— -30°C $+90^{\circ}\text{C}$
- Frequency range——50Hz 60Hz
- Dielectric strength—— input (Bare conductor)/output AC 800V/1min 5mA 50Hz output/outshell AC 3.5KV/1min 5mA 50Hz
- Weight——220g

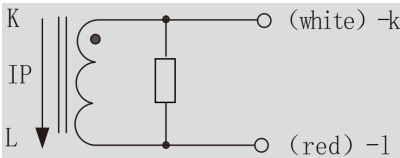
Electrical parameters

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

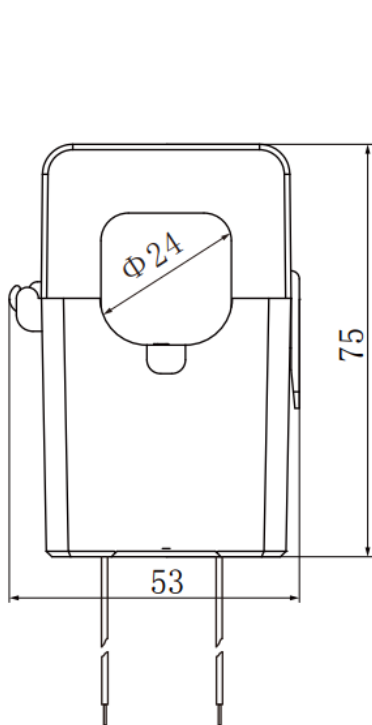
1A output type					Dimensions: 1
Model	Input current AC	output A C	Turns ratio	Accuracy	Diagram
SCT024TSL	50A	1A	50 : 1	1%	Lead specification L eading wire specification: 0.5mm² Black and white twisted pair lead length 100cm~105cm Lead wire Color: white, black  current output type. the secondary is not allowed to open.
SCT024TSL	100A	1A	100 : 1	0.5%/1%	
SCT024TSL	150A	1A	150 : 1	0.5%/1%	
SCT024TSL	200A	1A	200 : 1	0.5%/1%	
SCT024TSL	250A	1A	250 : 1	0.5%/1%	
SCT024TSL	300A	1A	300 : 1	0.5%/1%	
SCT024TSL	350A	1A	350 : 1	0.5%/1%	
SCT024TSL	400A	1A	400 : 1	0.5%/1%	

5A output type						Dimensions: 1
Model	Input current AC	output A C	Turns ratio	Accuracy	Lead specification	Diagram
SCT024TSL	100A	5A	100:5	5%	Leading wire specification: 2.5mm ² soft wire lead length 100cm~105cm Lead wire Color: white, blue	 current output type. the secondary is not allowed to open.
SCT024TSL	150A	5A	150:5	1%		
SCT024TSL	200A	5A	200:5	0.5%/1%		
SCT024TSL	250A	5A	250:5	0.5%/1%		
SCT024TSL	300A	5A	300:5	0.5%/1%		

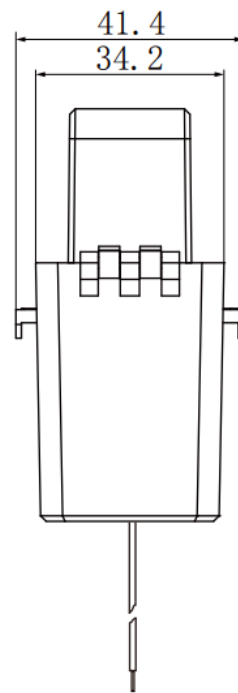
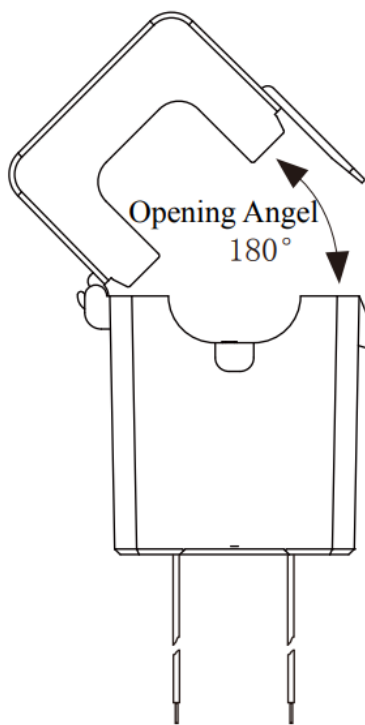
mA output type						Dimensions: 2
Model	Input current	Output current	Turns ratio	Accuracy	sampling resistance	Lead specification/schematic diagram
SC T024 TSL	50 A	50 mA	1:1 000	0.5 %/1 %	20Ω	Leading wire specification: 2×0.2 mm² Two core shielded wire lead length 100cm~105cm  TVS: Transient voltage suppressor(7.5V) current output type. the secondary is not allowed to open.
SC T024 TSL	10 0A	50 mA	1:2 000	0.5 %/1 %	20Ω	
SC T024 TSL	20 0A	20 mA	1:1 000 0	0.5 %/1 %	50Ω	
SC T024 TSL	20 0A	50 mA	1:4 000	0.5 %/1 %	20Ω	
SC T024 TSL	30 0A	50 mA	1:6 000	0.5 %/1 %	20Ω	
SC T024 TSL	40 0A	50 mA	1:8 000	0.5 %/1 %	20Ω	
SC T024 TSL	40 0A	80 mA	1:5 000	0.5 %/1 %	20Ω	
SC T024 TSL	40 0A	10 0mA	1:4 000	0.5 %/1 %	8Ω	

0.333V/1V/3V/5VAC voltage output type						Dimensions: 2
Model	Input current	Output voltage	AC voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT024 TSL	50 A	0.333V or 1V or 3V or 5V		0.5%/1%	≥10KΩ	Leading wire specification: 2×0.2 mm² Two core shielded wire lead length 100cm~105cm  sampling resistance built-in voltage output type not allowed secondary short circuit
SCT024 TSL	100 A					
SCT024 TSL	200 A					
SCT024 TSL	300 A					
SCT024 TSL	400 A					

Dimensions 1: (in:mm±0.5)

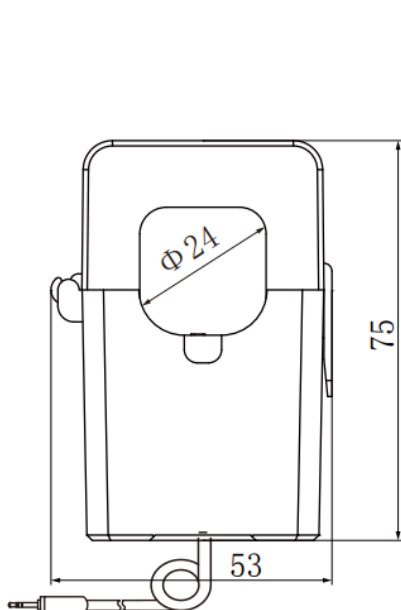


Front view

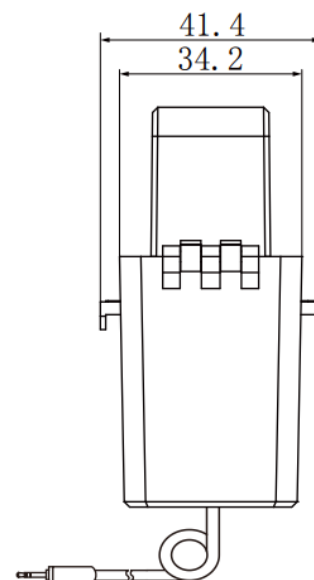
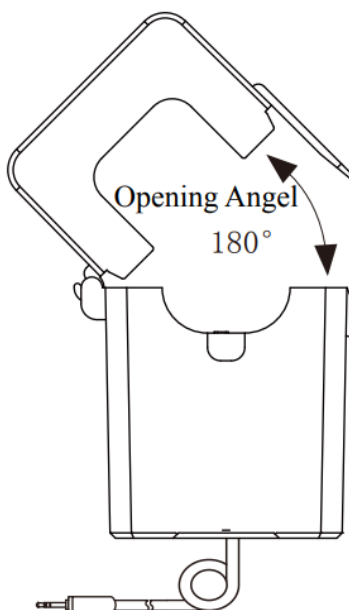


Side view

Dimensions 2: (in:mm $\pm$ 0.5)

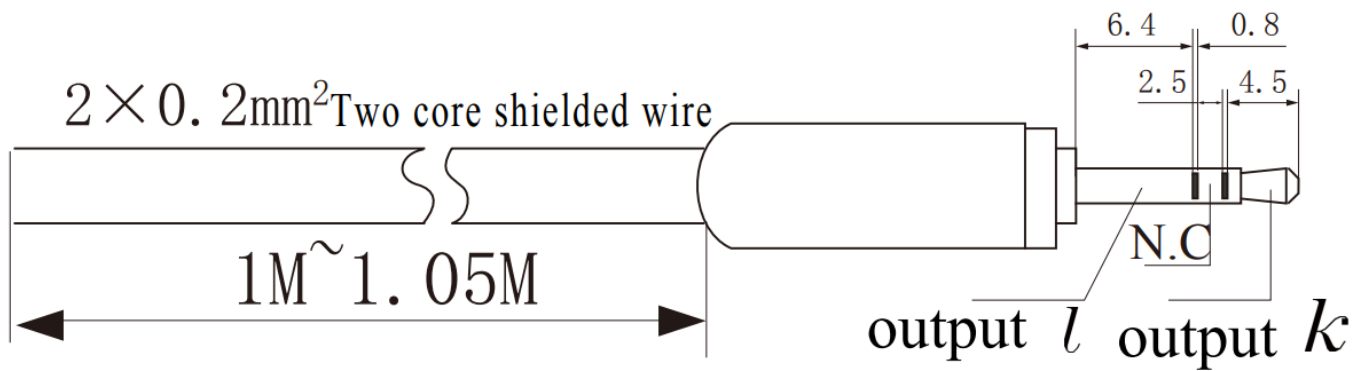


Front view



Side view

Standard $\Phi 3.5$ mm three-pin plug diagram



www.poweruc.pl



Documents / Resources

 SCT024TSL Split Core Transformer Product features: - Easy to install - High accuracy - High precision Product application: - Power supply - Power meter - Power monitor Product advantage: - Small size - Light weight - Low cost - High precision www.poweruc.pl	YHDC SCT024TSL Split Core Current Transformer [pdf] Instruction Manual SCT024TSL Split Core Current Transformer, SCT024TSL, Split Core Current Transformer, Split Core Transformer, Current Transformer, Split Transformer, Core Transformer, Transformer
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