

Split Core Current Transformers

SCTK665 Series

SCTK665A series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

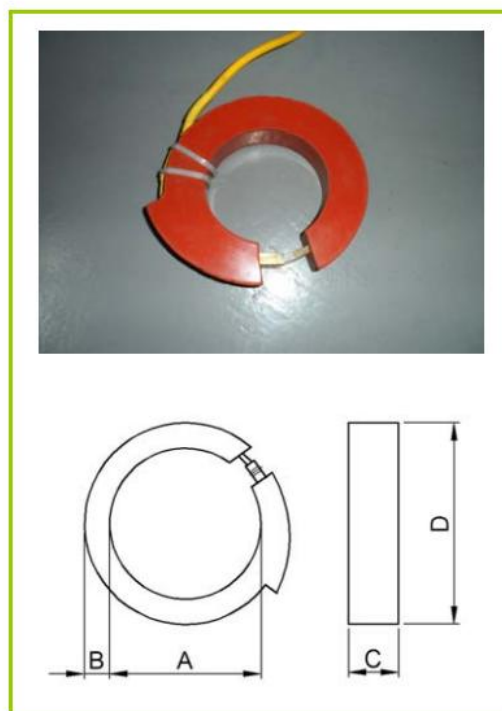
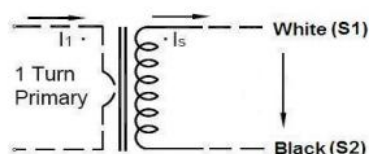
◆ Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

◆ Circuit connection diagram



◆ Technique Index

Electrical Parameter	
Frequency	50-60Hz
Rated Input	5A-6000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	± 1.0%、2.0%、3.0%、4.0%
Phase angle	≤ ±120min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	Epoxy /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	UL2*2.5mm ² Wire(twisted wire) 2.5m


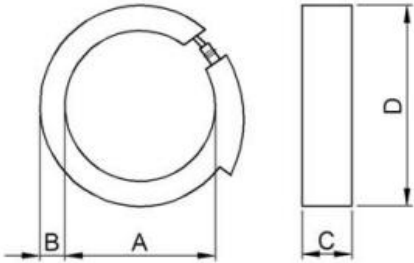
◆ Type Selection (Output: mA/V)

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm/inch)			
				A	B	C	D
SCTK665A-100	100-2000A	1A/5A	0.5、1.0、3.0	101.6 (4.0)	33.00 (1.3)	41.00 (1.6)	165.0 (6.5)
SCTK665A-150	300-6000A	1A/5A	0.5、1.0、3.0	152.4 (6.0)	33.00 (1.3)	41.00 (1.6)	215.9 (8.5)
SCTK665A-200	1000-6000A	1A/5A	0.5、1.0、3.0	203.2 (8.0)	33.00 (1.3)	41.00 (1.6)	266.7 (10.5)
SCTK665A-280	1500-6000A	1A/5A	0.5、1.0、3.0	279.4 (11.0)	33.00 (1.3)	41.00 (1.6)	342.9 (13.5)
SCTK665A-460	2000-6000A	1A/5A	0.5、1.0、3.0	457.2 (18.0)	33.00 (1.3)	41.00 (1.6)	520.7 (20.5)

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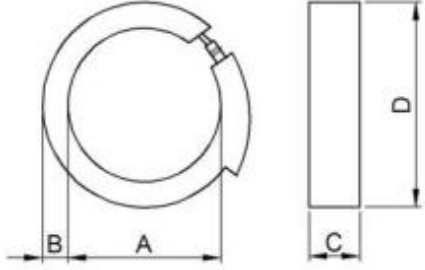
◆ Type Selection (Output: 1A)

Mfg P/N	Input/Output (A)	Burden(VA)/Class				Product Description																																			
		0.5	1.0	3.0	5.0																																				
SCTK665A-100	100/1	---	---	1.5	2.5																																				
	250/1	---	1.5	2.5	3.75																																				
	400/1	---	1.5	2.5	3.75																																				
	600/1	---	2.5	3.75	5																																				
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	1500/1	---	2.5	5	10																																				
	2000/1	1.5	2.5	5	10																																				
SCTK665A-150	300/1	---	---	2.5	5																																				
	500/1	---	2.5	5	7.5																																				
	1000/1	5	10	10	15																																				
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SCTK665A-280	1500/1	5	10	10	15	<p>NOTE:</p> <ul style="list-style-type: none"> ● Rated Primary current :0-6000Aac ● Rated Secondary current: 1A ● Rated load: 2.5, 3.75, 5.0, 10,15, 20,30, 45VA ● Accuracy: 0.5, 1.0, 3.0,5.0Class ● Output Connection:2*2.5mm² Wire 1m or Terminal ● Forbidden to open the second, otherwise, easy to produce high voltage 																																			
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◆ Type Selection (Output: 5A)

Mfg P/N	Input/Output (A)	Burden(VA)/Class				Product Description																														
		0.5	1.0	3.0	5.0																															
SCTK665A-100	100/5	--	--	1.5	2.5																															
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	2000/5	1.5	2.5	5	10																															
SCTK665A-150	300/5	--	--	2.5	5																															
	500/5	--	2.5	5	7.5																															
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NOTE:

- Rated Primary current :0-6000Aac
- Rated Secondary current: 5A
- Rated load: 2.5, 3.75, 5.0, 10,15, 20,30, 45VA
- Accuracy: 0.5, 1.0, 3.0,5.0Class
- Output Connection:2*2.5mm² Wire 1m or Terminal
- Forbidden to open the second, otherwise, easy to produce high voltage