

Split Core Current Transformers

SCTK667C Series



SCTK667C 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.

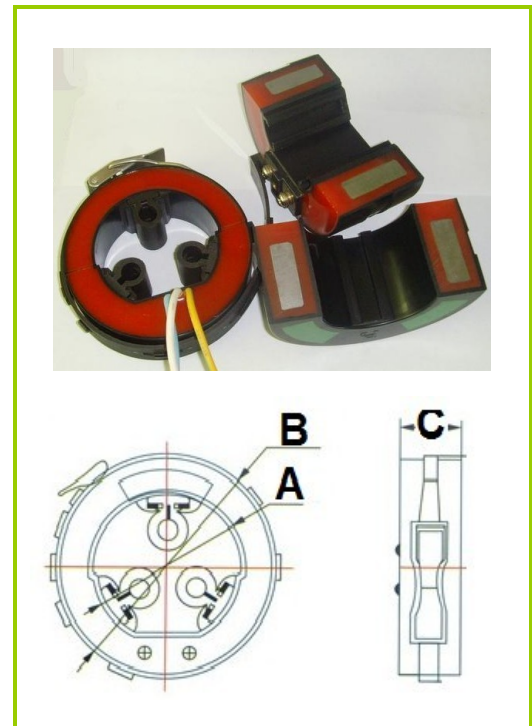
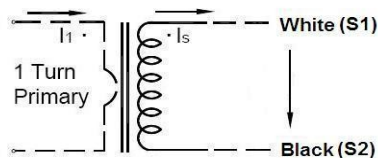
◆ Features

- 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	50-500Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 10\text{min}$
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 22AWG Wire(twinsted wire) 1.0m

◆ Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)		
				A	B	C
SCTK667C-6432	0-1200A	1A/5A	0.2, 0.5, 1.0	64	104	32
SCTK667C-5052	0-1000A	1A/5A		50	110	52
SCTK667C-50105	0-1000A	1A/5A		50	110	105
SCTK667C-9632	0-2000A	1A/5A		96	130	32
SCTK667C-5550	0-1000A	1A/5A		55	86	50

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