

Split Core Current Transformers

SCTK751 Series

SCTK751 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.

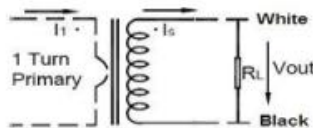
◆ Features

- Split core design, 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-5000A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	± 1.0%
Phase angle	≤ ±90min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	-25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.0m

◆ Type Selection

Mfg P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)				
				A	B	C	D	E
SCTK751A	5-200A (5, 10, 30, 50, 75, 100, 125, 150, 200)	0-13.3mA 0.333V	1.0	50.8 (2.00)	53.3 (2.09)	17.0 (0.67)	19.1 (0.75)	19.1 (0.75)
SCTK751B	10-400A (10, 50, 75, 150, 200, 250, 300, 400)	0-53.3mA 0.333V	1.0	59.6 (2.35)	62.7 (2.47)	21.0 (0.83)	19.1 (0.75)	19.1 (0.75)
SCTK751C	50-630A (50, 100, 125, 200, 250, 400, 600, 630)	0-66.6mA 0.333V	1.0	82.5 (3.25)	85.1 (3.35)	27.0 (1.06)	31.8 (1.25)	31.8 (1.25)
SCTK751D	100-2000A (100, 250, 400, 630, 800A, 1000, 2000)	0-200mA 0.333V	1.0	121.0 (4.76)	127.0 (5.00)	30.4 (1.19)	50.8 (2.00)	50.8 (2.00)
SCTK751E	200-3000A (200, 250, 400, 630, 1500, 2500, 3000)	0-300mA 0.333V	1.0	118.0 (4.65)	133.0 (5.24)	24.0 (0.94)	68.0 (2.68)	80.0 (3.15)
SCTK751F	400-5000A (400, 800, 1000, 1500, 2000, 3000, 5000)	0-500mA 0.333V	1.0	146.0 (5.75)	190.5 (7.50)	35.6 (1.40)	76.2 (3.00)	127.0 (5.00)