

SCTK681B 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.

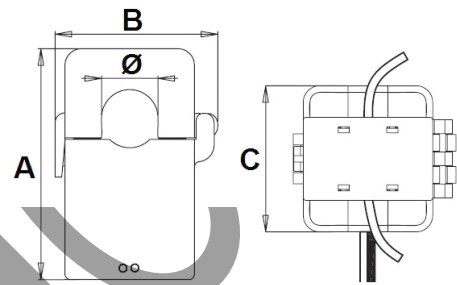
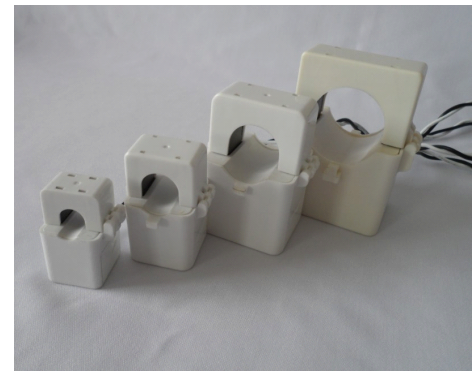
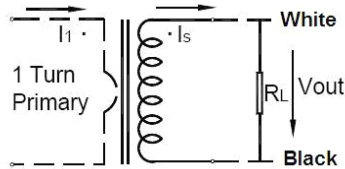
◆ Features

- The structure of the self-locking, 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	50-2KHz
Rated Input	5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	± 1.0%
Phase angle	≤ ±60min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PA /UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	UL1015 20AWG Wire(twisted wire) 2.5m

◆ Type Selection (Output: mA/V)

Mfg P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)			
				Ø	A	B	C
SCTK681B-010	5-75A (5, 10, 20, 50, 75)	0-50mA 0.333V	0.5, 1.0, 3.0	10.0 (0.39)	41.5 (1.63)	30.0 (1.18)	26.5 (1.04)
SCTK681B-016	5-150A (5, 10, 50, 100, 150)	0-100mA 0.333V	0.5, 1.0, 3.0	16.0 (0.63)	53.0 (2.09)	36.0 (1.42)	30.5 (1.20)
SCTK681B-024	10-250A (10, 50, 100, 200, 250)	0-200mA 0.333V	0.5, 1.0, 3.0	24.0 (0.95)	70.0 (2.76)	51.5 (2.03)	39.0 (1.50)
SCTK681B-035	10-630A (20, 100, 250, 400, 600)	0-500mA 0.333V	0.5, 1.0, 3.0	35.0 (1.38)	84.0 (3.31)	65.0 (2.56)	41.0 (1.61)