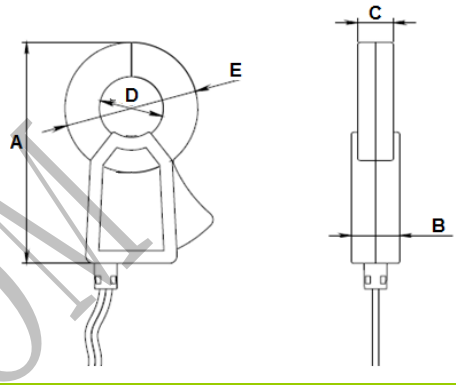
Split Core Current Transformers

SCTK691C Series

SCTK691C 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.



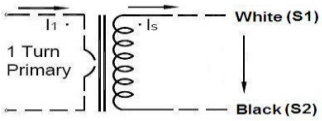
Features

- 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

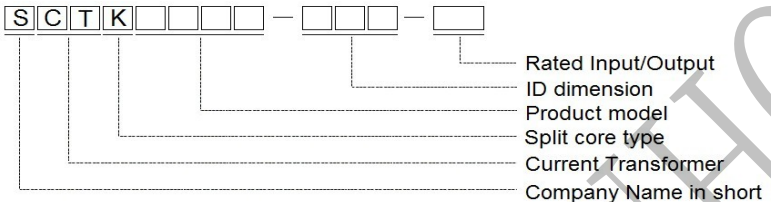
Applications

- 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.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	≤± 0.2%
Phase angle	≤ ±10min
Dielectric strength	5.0KV/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	Terminal or UL1015 22AWG Wire 1.5m

Type Selection

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm)				
				A	B	C	D	E
SCTK691C-010	0.5-100A	0.333V/0-50mA	0.2、0.5、1.0	63.0	25.0	20.0	10.0	37.0
SCTK691C-016	1-250A	0.333V/0-100mA	0.2、0.5、1.0	71.0	20.0	15.0	16.0	43.0
SCTK691C-025	5-400A	0.333V/0-200mA	0.2、0.5、1.0	87.0	20.0	15.0	25.0	52.0
SCTK691C-036	5-630A	0.333V/0-200mA/1A	0.2、0.5、1.0	117.0	27.0	22.0	35.0	71.0
SCTK691C-050	5-1000A	0.333V/0-500mA/1A/5A	0.2、0.5、1.0	135.0	27.0	22.0	50.0	100.0

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