

# Split Core Current Transformer

## SCTK682A Series

SCTK682A 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.

### Application

- 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 EC control system.
- Current , power and energy monitoring device.
- Relay protection device.

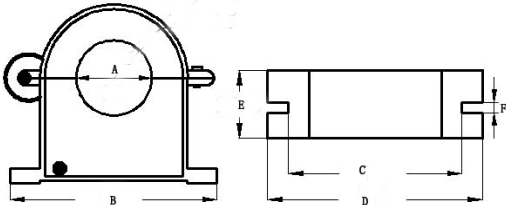
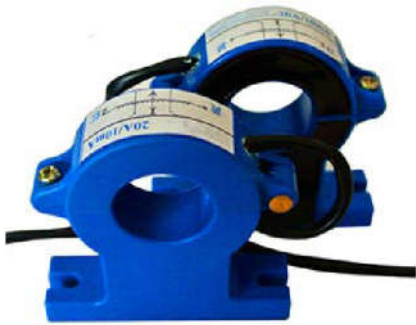
### Features

- 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

### Technique Index

Electrical Parameter	
Frequency	50-60Hz
Rated Input	50A-2000A
Measuring range	1%In-130%In
Rated Output	1A/5A
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100M $\Omega$ min

Mechanical Parameter	
Case	PC+ABS/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	-40℃~+85℃
Operating Humidity	$\leq 96\%$
Output Connection	Terminal Or UL101514AWG Wire



### Type Selection(Output: mA/V)

Mfg P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)				
				A	B	C	E	F
SCTK682A-021	1-88A	1-50mA	0.2、0.5、1.0	21	60	47.4	16	4.4
SCTK682A-038	1-600A	1A/5A/0-1000mA/0-10V		38	96	78	25.8	4.8
SCTK682A-049	1-2000A	1A/5A/0-1000mA/0-10V		49	138	118.2	28	6.2