

# Split Core Current Transformer

## SCTK660A Series

SCTK660A 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.

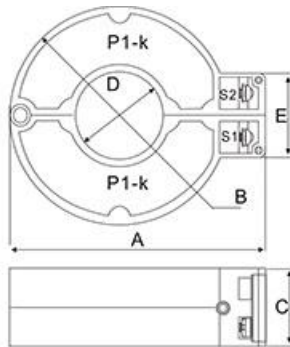


### Application

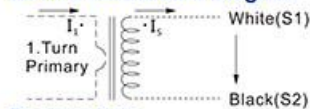
- Current measurement, monitoring and protection for electrical wiring and equipment. Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation control system.
- Current , power and energy monitoring device.

### Features

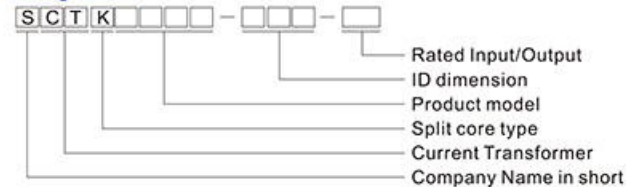
- The structure of the self-locking, safe, easy to install, portable Wide inner window, allowing clamping of big cables or - bus bars Wide range of sizes to accommodate all the existing installations



#### 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           | ≤±30min           |
| Dielectric strength   | 5.0KV/1mA/1min    |
| Insulation Resistance | DC500V/100M; /min |

| Mechanical Parameter |                                   |
|----------------------|-----------------------------------|
| Case                 | ABS/UL94-V0                       |
| Bobbin               | PBT                               |
| Core                 | Permalloy                         |
| Internal structure   | Epoxy                             |
| Construction         | Tie                               |
| Operating Temp       | - 25°C ~ + 75°C                   |
| Operating Humidity   | ≤85%                              |
| Output Connection    | Terminal or UL1015 22AWG Wire1.5m |

### Type Selection

| Mfg P/N      | Rated Input (A)                        | Out put (mA/V)          | Accuracy      | Dimensions(mm) |      |      |      |      |
|--------------|--|-------------------------|---------------|----------------|------|------|------|------|
|              |  |                         |               | A              | B    | C    | D    | E    |
| SCTK660A-010 | 0.5-100A<br>(1, 5, 10, 30, 50, 100)    | 0-50mA<br>0.333V        | 0.2, 0.5, 1.0 | 50.0           | 40.0 | 22.5 | 10.0 | 24.0 |
| SCTK660A-016 | 1-250A<br>(10, 50, 75, 100, 200, 250)  | 0-100mA/1A<br>0.333V    | 0.2, 0.5, 1.0 | 61.0           | 50.0 | 22.5 | 16.0 | 24.0 |
| SCTK660A-025 | 5-400A<br>(10, 50, 100, 200, 250, 400) | 0-200mA/1A/5A<br>0.333V | 0.2, 0.5, 1.0 | 74.0           | 62.0 | 22.5 | 25.0 | 24.0 |
| SCTK660A-032 | 5-630A<br>(10, 50, 100, 200, 250, 630) | 0-200mA/1A/5A<br>0.333V | 0.2, 0.5, 1.0 | 81.5           | 70.0 | 22.5 | 32.0 | 24.0 |