

ESCT- TA Series

ESCT- TA 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.

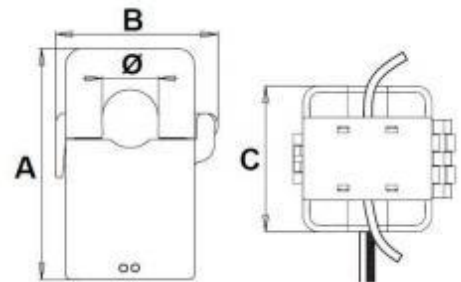
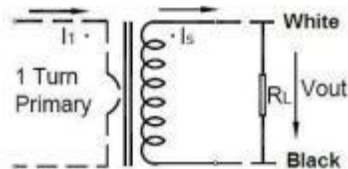
◆ Features

- 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



◆ Type Selection (Output: mA/)

Mfg P/N	Rated Input (A)	Output (mA)	Accuracy	Dimensions(mm/ inch)			
				Ø	A	B	C
ESCT-TA16	120A	40mA	0.5、1.0、3.0	16.0 (0.63)	53.0 (2.09)	36.0 (1.42)	30.5 (1.20)

◆ Technique Index

Electrical Parameter	
Frequency	50-2KHz
Rated Input	120A
Measuring range	10%In- 130%In
Rated Output	40mA
Ratio	$\leq \pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
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	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 20AWG Wire(twinsted wire) 2m