

Split Core Current Transformer

Data Sheet



Features

- Split core Current Transformer
- High Accuracy Class 0.5 (Other accuracies available 0.2s, 0.2, 0.5s, 1 and 3)
- Two built in fixing methods: Base, Busbar mounting
- Very easy to mount
- Supplied with Busbar mounting kit and mounting feet
- Various opening sizes
- May be installed without supply interruption
- Wide inner window
- Wide range of sizes for various installations
- Primary current from 100A to 5000A
- 5A secondary output
- Long life molded Case
- Built in hinged terminal cover

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.
- Current, power and energy monitoring device
- Relay protection device
- Switchboard Upgrades

Description

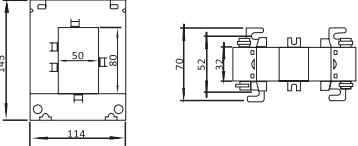
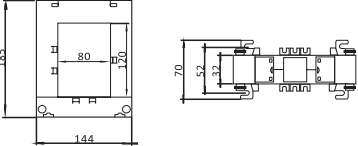
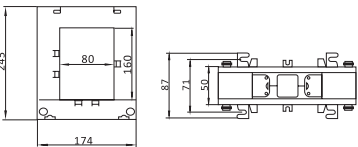
MerCs Split Core Current Transformer have been specially designed to facilitate their installation in new or already existing networks. They may be installed without opening any cable or busbar circuit. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bus-bars through the transformer core or to connect such cables to the primary terminals. MerCs Split Core Current Transformers core may be easily opened and they may be installed and connected without any supply interruption. Thus saving time and the installation costs.

Specifications

Frequency	50-60Hz
Rated current	100A to 5000A loads
Rated output	5A
Accuracy	±1% from 20% to 120% of rated current
Phase angle	less than 2 degrees at 50% of rated current
Insulation voltage	600Vac
Dielectric strength	2.5KV/ 1mA/1min

Operating temperature	-15°C to 60°C
Operating humidity	< 85%
Case material	PC/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Safety factor	FS 5

Stock lines

Dimensions	Body Type	PART Number	Internal opening	CLASS: 0.5 BURDEN (VA) NEW	Body Type
	B	ME-CTSC-4005	50 x 80	1.5VA	B
		ME-CTSC-6005	50 x 80	2.5VA	
		ME-CTSC-8005	50 x 80	3.75VA	
		ME-CTSC-10005	50 x 80	5VA	
	D	ME-CTSC-12505	80 x 120	10VA	D
		ME-CTSC-15005	80 x 120	10VA	
		ME-CTSC-16005	80 x 120	15VA	
	E	ME-CTSC-20005	80 x 160	10VA	E
		ME-CTSC-25005	80 x 160	15VA	
		ME-CTSC-30005	80 x 160	20VA	
		ME-CTSC-40005	80 x 160	20VA	
		ME-CTSC-50005	80 x 160	20VA	