

Current transformer

Split core current transformer 50A



- Split core
- Safe operation
- Mini in size
- Very easy mounting
- Wide inner window

| | |
|---------------|---|
| Model number: | CT1-E-50 |
| Connect to: | PM-1-E-CT terminals 1 -2 |
| Mounting: | on wire |
| Dimensions: | 41 × 24 × 27 mm |

General description

The CT1-E-50 split core current transformer is designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken off line and disconnected for CT installation. This method permits a safer easy and portable current measurement. An internal precision burden resistor across the secondary winding of the CT provides a safe low voltage output and permits safe opening of the secondary circuit.

Technical specifications

| | |
|-------------------------|---|
| Frequency | 50-60 Hz |
| Rated current | 50 A |
| Accuracy | $\pm 1\%$ from 20% to 120% of rated current |
| Phase angle | less than 2 degrees at 50% of rated current |
| Insulation voltage | 600 VAC |
| Maximum primary voltage | 5000 VAC (insulated conductor) |
| Dielectric strength | 2.5 kV/1mA/1min |
| Operating temperature | -15 to 60°C |
| Operating humidity | < 85 % |
| Case material | PC/UL94-V0 |
| Bobin | PBT |
| Core | Permalloy |
| Internal structure | Epoxy |
| Leads | UL 1015, Twisted pair, 22 AWG |

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