Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

1. CT1-E-50

**Split core current transformer 50A **



Model number:	**CT1-E-50**
Connect to:	pm1-e-d-ct
	terminals 1 -2
Mounting:	on wire
Dimensions:	41 × 24 × 27 mm

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

1.1. 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.

1.2. Technical specifications

Frequency	50-60 Hz
Rated current	50 A

Accuracy	±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