

CTSE010 Revenue Grade Split core Current Transformers

Miniature Revenue Grade Split Core Current Transformer

The CTSE010 Series of miniature revenue split-core current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without disconnecting cables circuits for CT installation. This method permits a safer, easier and portable current measurement.



This series open-type current transformer are intended for field installation within distribution and control equipment such as panelboards, switchboards, industrial control equipment, and energy-monitoring/management equipment, to measure current on a branch circuit. These transformers are intended for use in the metering of utility and nonutility electric power, and are rated for use in 600 V ac line-to-line circuits.

FEATURES

- Rated Primary 5A to 100A
- Secondary Output:0.333V at rated current
- Optional:mA secondary output,standard winding ratios:
1:1000,1:2000
1:2500,1:3000



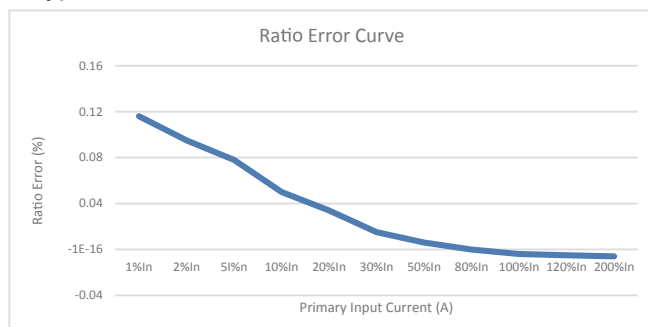
SPECIFICATIONS

- Frequency:50Hz/60Hz
- Maximum operating voltage:600VAC.
- Dielectric withstand voltage 2500V for 1minute.
- Dielectric resistance:100M Ohms@500VDC
- Operating Temperature:-40°C to +55°C
- Leads:1.83m(6Ft),AWM 1015(optional:MTW1015)Twisted Pair, 0.82mm²(18AWG),600V,Black/White...
- Lead termination:Stripped and tinned.
- UL Certifide(File E468983) • RoHS compliant.

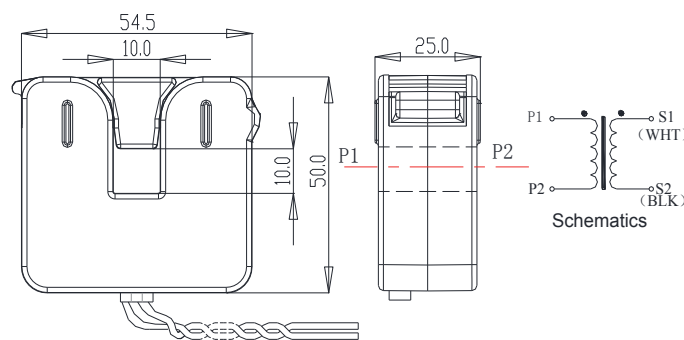
PERFORMANCES

- Accuracy Class:0.2S,0.5S (IEC 60044-1)

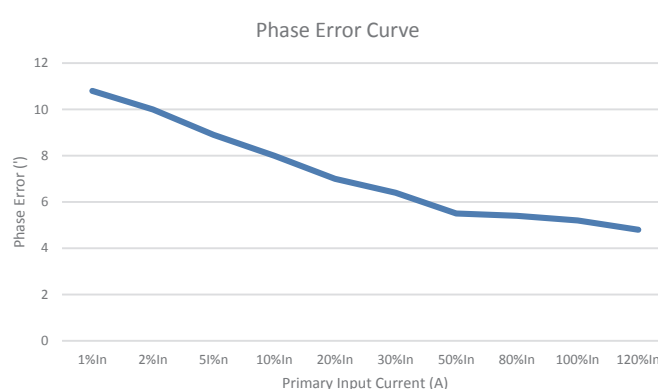
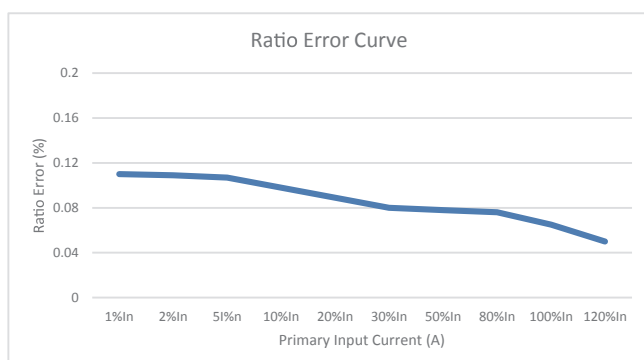
Typical Performance-CTSE010-005A/0.333V:



OUTLINE DRAWING



Typical Performance-CTSE010-100A/0.333V:



■ ELECTRICAL SPECIFICATION

Model	Rated Primary Current (A)	Output signal①	Accuracy/Linearity	Phase difference
CTSE010	1A, 5A, 10A, 12.5A, 15A, 20A, 25A, 30A, 40A, 50A, 60A, 70A, 75A, 80A, 100A	0.1V, 0.2V, 0.25V, 0.333V, 0.5V, 0.666V, 1V, 1.5V, 2V, 2.5V, 3.53V	±0.2% against rated primary current	Within ±0.2 degree against rated primary current

CTS
Series

CTSA
Series

CTSB
Series

CTSE
010