

DATA SHEET

50A High Performance Mini Current Transformers

usa.siemens.com/PDS

Description

The hinged "Mini" CTs are small, low-cost current transformers with high accuracy (<0.5%) over a wide dynamic range with excellent phase shift. The "Minis" are ideal where space is limited such as when metering multiple loads within a panel board. Use for current measurement, energy metering, load surveys, demand metering, energy research, and submetering..

Key Specifications

Window Size	0.4" (10 mm)
Current Range*	0.25 - 80A AC
Output	333 mV @ 50 A AC 6.66 mV/A AC
Ratio Error**	<0.5% from 0.25 to 80A AC (typical)
Phase Error	<1.5° from 1 to 80A AC <2° From 0.25 to 1A AC

* Depending on meter compatibility. .

** For maximum performance, keep CT contact surfaces wiped clean and free of debris.

Electrical

Output	333 mV @ 50 A
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Phasing Orientation	Arrow On Case Points Toward Load
Frequency Range	50 to 400 Hz

Mechanical

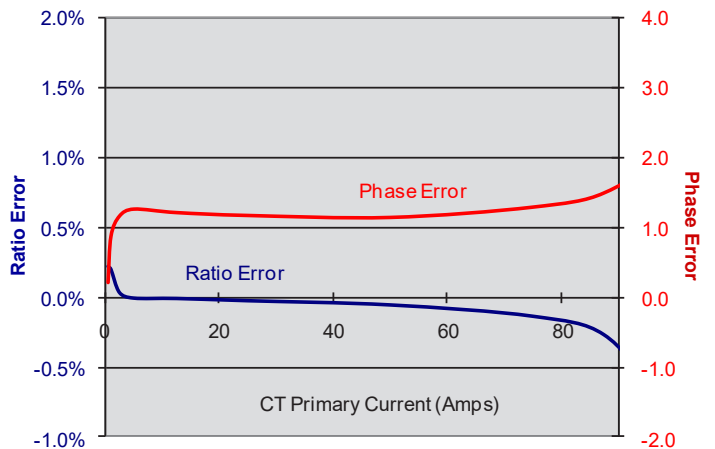
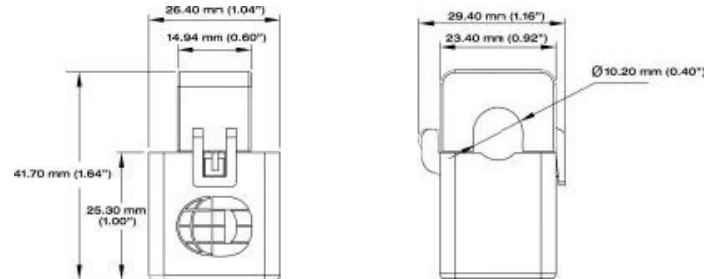
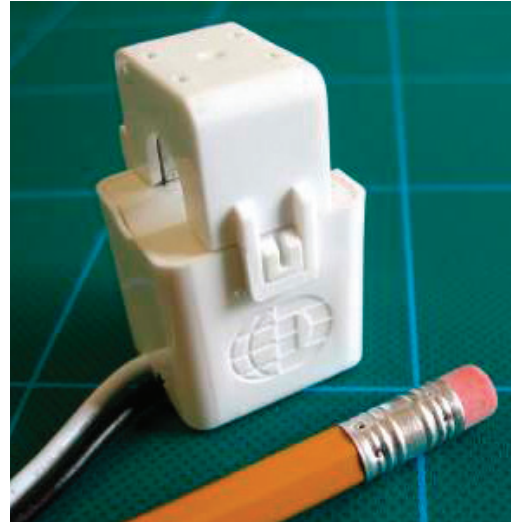
Case Material	White Nylon, UL 94 V-0
Leads	600V, 20 gauge
Working Temperature	-15 to 60°C (5 to 140°F)

Safety

Working Voltage	600 VAC, Category III
Dielectric Strength	3520 VAC for 1 minute
Certification	Conforms to: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1



Catalog Number	Description
US2:SCTHSC050U	50A Mini Hinged CT



SIEMENS

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America

Telephone: +1 (800) 333-7421
www.usa.siemens.com/PDS

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