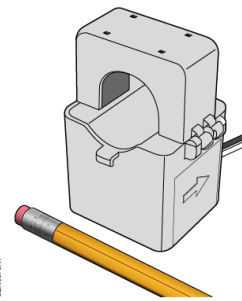


## Midi and Mini Hinged Split-Core Current Transformers

### Description

Siemens Midi and Mini Hinged Split-Core Current Transformers (CTs) are small, low-cost devices with high accuracy over a wide dynamic range with excellent phase shift. These current transformers 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 sub-metering. These devices are targeted for use with the Siemens MD Series Power Meters.



Midi Hinged Split-Core Current Transformer

### Features

- Window sizes:  
 0.4" (10 mm) for 50A (Mini)  
 1.0" (25 mm) for 100A, 200A (Midi)
- Available in three current ranges\*:  
 0.25 to 80A AC (for 50A)  
 1.0 to 200A AC (for 100A)  
 1.0 to 300A AC (for 200A)
- Output:  
 333 mV @ 50A AC (6.66 mV/A AC) (for 50A)  
 333 mV @ 100A AC (3.33 mV/A AC) (for 100A)  
 333 mV @ 200A AC (1.67 mV/A AC) (for 200A)
- Ratio Error:  
 <0.5% from 1.0A to 80A AC (typical) (for 50A)  
 <0.3% from 1.0A to 200A AC (typical) (for 100A)  
 <1.0% from 1.0A to 300A AC (typical) (for 200A)
- Phase Error:  
 <1.5° from 1.0A to 80A AC (for 50A)  
 <2° from 0.2A to 1A AC (for 50A)  
 <0.5° from 1.0A to 200A AC (for 100A)  
 <0.5° from 1.0A to 300A AC (for 200A)

\* May depend on meter compatibility. See associated Meter Specifications for details.

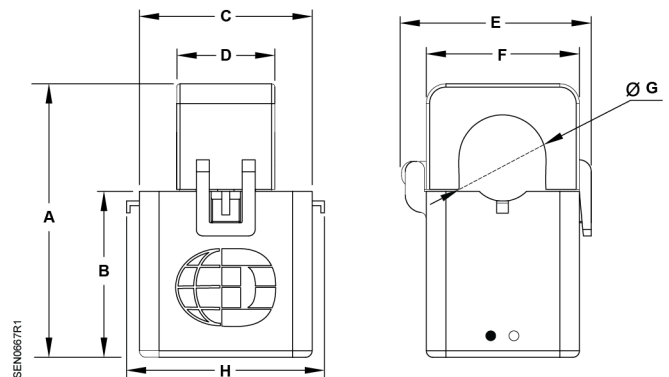


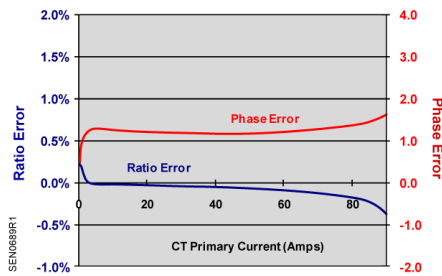
Table 1. Dimensions in Inches (Millimeters).

Model	Dimensions							
	A	B	C	D	E	F	G	H
Mini	1.64 (41.7)	1.00 (25.3)	1.04 (26.4)	0.60 (14.9)	1.16 (29.4)	0.92 (23.4)	0.40 (10.2)	N/A
Midi	2.76 (70.1)	1.62 (41.2)	1.52 (38.6)	0.80 (20.4)	2.00 (50.8)	1.71 (43.5)	1.00 (25.4)	1.85 (47.0)

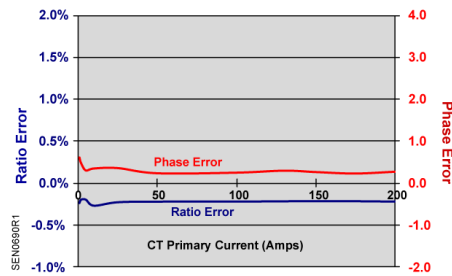
## Specifications

Electrical	Output Signal	333 mV @ rated current
	Wire Colors	White = (+) Hi, positive Black = (-) Low, negative
	Phasing Orientation	Arrow on case points towards load
	Frequency Range	50 Hz to 400 Hz
Mechanical	Case Material	White Nylon, UL 94 V-0
	Leads	9.8 feet (3 m), 600V, 20 AWG, crimp ferrules on leads
	Operating Temperature	5°F to 140°F (-15°C to 60°C)
	Storage Temperature	-4°F to 185°F (-20°C to 85°C)
	Weight	Mini 3.2 oz (91 g) Midi 7.8 oz (221 g)
Safety	Working Voltage	600 Vac, Category III
	Dielectric Strength 100A, 200A	5200 Vac for 1 minute
	Certifications	UL Recognized to UL Standard 61010-1 UL certified to CAN/CSA Standard C22.2 No. 61010-1
	CE Conformity	CE Low Voltage Directive 2006/95/EC

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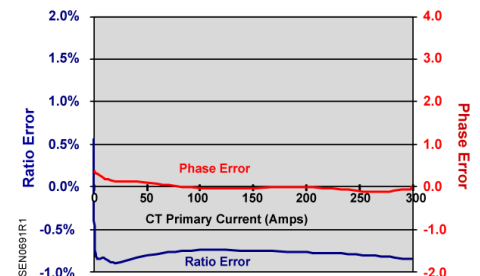


Phase Error/Ratio Error  
SCT-HSC-0050-U  
50A Mini



Phase Error/Ratio Error  
SCT-HMC-0100-U  
100A Midi

**NOTE:** Included in Meter Kit Model MD-xxx-3-CTSC-100A



Phase Error/Ratio Error  
SCT-HMC-0200-U  
200A Midi

**NOTE:** Included in Meter Kit Model MD-xxx-3-CTSC-200A

## Ordering Information

Part Number	Description
SCT-HSC-0050-U	Mini Hinged Split-Core Current Transformer, 0.4" (10 mm) Opening; 50A
SCT-HMC-0100-U	Midi Hinged Split-Core Current Transformer, 1" (25 mm) Opening; 100A
SCT-HMC-0200-U	Midi Hinged Split-Core Current Transformer, 1" (25 mm) Opening; 200A

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