

# Power Distribution Solutions

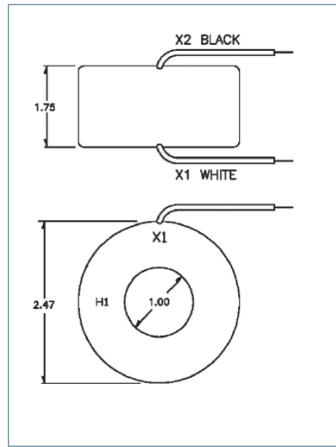
## Low-voltage Current Transformers

### Comprehensive metering grade CT offering split-core, flexible and solid core designs

#### Solid-core – Round with Round Window

The small size solid core Current Transformer (CT) are designed for tight locations and new installations providing a safe 5 amp secondary for use on voltage applications of 600V or less.

**Accuracy is 0.3%.**

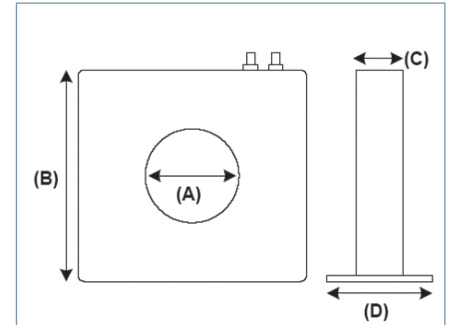


Solid core – Round metering grade, 600V		
Catalog Number	Primary	Size
SMU-CT-011	100A	1.75" x 2.47", 1" Window
SMU-CT-021	200A	1.75" x 2.47", 1" Window
SMU-CT-025	250A	1.75" x 2.47", 1" Window
SMU-CT-031	300A	1.75" x 2.47", 1" Window
SMU-CT-041	400A	1.1" x 3.56", 1.56" Window
SMU-CT-061	600A	1.1" x 3.56", 1.56" Window
SMU-CT-081	800A	1.1" x 3.56", 1.56" Window
SMU-CT-123	1000A	1.1" x 3.56", 1.56" Window
SMU-CT-02R	2000A	1.15" x 5.73", 3.25" Window

#### Solid-core – Square with Round Window

Siemens Instrument Grade Current Transformers (CT) are designed as solid-core construction and provide a safe 5A secondary output. Solid-core CT's come with terminals for attaching leads. Use on low-voltage applications of 600V or less.

**Accuracy is 0.3%.**



Amps	Dimension (A x B x C x D)	Catalog Number
200:5	1.25" x 4.88" x 2.19" x 4.68"	PDS-CTRC-021
300:5	1.25" x 4.88" x 2.19" x 4.68"	PDS-CTSC-031
400:5	1.25" x 4.88" x 2.19" x 4.68"	PDS-CTRC-041
500:5	1.25" x 5.10" x 3.00" x 5.50"	PDS-CTRC-051
600:5	1.25" x 5.10" x 3.00" x 5.50"	PDS-CTRC-061
800:5	1.25" x 5.10" x 3.00" x 5.50"	PDS-CTRC-081
1000:5	1.25" x 5.10" x 3.00" x 5.50"	PDS-CTRC-101
100:5	2.25" x 6.31" x 3.00" x 5.82"	PDS-CTRC-012
200:5	2.25" x 6.31" x 3.00" x 5.82"	PDS-CTRC-022
300:5	2.25" x 6.31" x 3.00" x 5.82"	PDS-CTRC-032
400:5	2.25" x 6.31" x 3.00" x 5.82"	PDS-CTRC-042
800:5	4.00" x 6.44" x 3.25" x 3.25"	PDS-CTRC-084
1000:5	4.00" x 6.44" x 3.25" x 3.25"	PDS-CTRC-104
1200:5	4.00" x 6.44" x 3.25" x 3.25"	PDS-CTRC-124
1600:5	4.00" x 6.44" x 3.25" x 3.25"	PDS-CTRC-164
2000:5	4.00" x 6.44" x 3.25" x 3.25"	PDS-CTRC-204
3200:5	6.50" x 9.88" x 7.00" x 7.00"	PDS-CTRC-326
4000:5	6.50" x 9.88" x 7.00" x 7.00"	PDS-CTRC-426

#### Shorting Block

All low-voltage current transformers should be installed with a shorting block to allow for easy removal of the metering unit and to provide a safe method for disconnecting the CT signal. One shorting block is required per meter. Various size shorting blocks are available; 4, 6, and 8 pole configurations are available with four slotted shorting screws and cover. Wire size is 18-10 AWG.

Catalog Number	Ckts.	Mounting		
		L	D min.	D max.
IKU4SC	4	3.25	2.88	3.00
IKU6SC	6	4.50	4.12	4.25
IKU8SC	8	5.75	5.38	5.50
IKU12SC	12	8.25	7.88	8.00

#### Typical electrical meter CT and shorting block installation

This example shows a common three phase, three wire installation where three CT's and one shorting block are used.

