

# AcuCT R Series

## AcuCT-4161R

Revenue Grade Split-Core  
Current Transformer Datasheet



The AcuCT R Series CTs are premium, revenue grade split-core current transformers with a selection output options and class-leading accuracy. UL2808 Listed for guaranteed safety and quality, the AcuCT R Series combines a compact, durable form factor with a sturdy latch for added assurance in challenging applications. Installation is straightforward thanks to the user-friendly, press-open design.

### Features

- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from multiple voltage or current secondary output options including 5A and 333mV
- The press-open design helps to speed and simplify installation



### Accuenergy Inc.

Los Angeles - Toronto - Pretoria  
North America Toll Free: 1-877-721-8908  
Web: [www.accuenergy.com](http://www.accuenergy.com)  
Email: [marketing@accuenergy.com](mailto:marketing@accuenergy.com)

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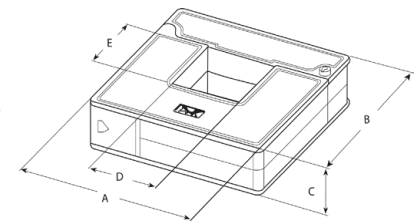


### Specifications

<b>RATED CURRENT</b>	600A, 800A, 1000A, 1200A, 1600A, 2000A, 2500A, 3000A, 4000A, 5000A
Current Range	5% - 120% of rated current
Output	5A, 1A, 80mA, 100mA, 200mA, 333mV
Accuracy	IEC 61869-2 Class 0.5
<b>MECHANICAL/ENVIRONMENTAL</b>	
Form Factor	Press Open Split-Core CT
Window Size	105.0mm x 155.0mm (4.10" x 6.10")
Exterior Dimensions	185.0mm x 235.0mm x 45.0mm 7.30" x 9.30" x 1.80"
Case Material	UL enclosure rated to 135°C (275°F)
Lead Wires	2.5m (8ft) UL 1015 18AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
<b>ELECTRICAL</b>	
Wire Polarity	White=Positive, Black=Negative
Phase Orientation	Arrow Points Towards Load
Frequency Range	50/60Hz
Output Resistance (Voltage Output)@333mV; burden@ 80mA, 100mA, 200mA, 5A, 1A	600A/333mV: 4.16Ω / 1200A/333mV: 2.08Ω 1600A/333mV: 1.56Ω / 2000A/333mV: 1.25Ω 3000A/333mV: 0.83Ω / 4000A/333mV: 0.625Ω 5000A/333mV: 0.5Ω / 80mA, 100mA, 200mA: 10Ω / 1A: 1VA / 5A: 5VA
<b>SAFETY/COMPLIANCE</b>	
Withstand Voltage	5.0KV/1mA/1min
Rated Voltage	600VAC, Rated CAT III
Certifications	CE, RoHS, UL Listed UL2808 (E469633) 61010-1 and CSA 22.2 IEEE 61869-2

### Dimensions

- A: 7.30" (185.0mm)
- B: 9.30" (235.0mm)
- C: 1.80" (45.0mm)
- D: 4.10" (105.0mm)
- E: 6.10" (155.0mm)



### Ordering Information

Ordering Number	Rated Input	Rated Output
AcuCT-4161R	-	:
<b>Ordering Example</b>	<b>AcuCT-4161R - 2000</b>	<b>: 333mV</b>
	600: 600A	1A
	800: 800A	5A
	1000: 1000A	333mV
	1200: 1200A	80mA
	1600: 1600A	100mA
	2000: 2000A	200mA
	2500: 2500A	
	3000: 3000A	
	4000: 4000A	
	5000: 5000A	