

AcuCT R Series

AcuCT-200R

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 0.5s (from 5% - 120% of rated current)
- Choose from multiple voltage or current secondary output options including 1A and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options



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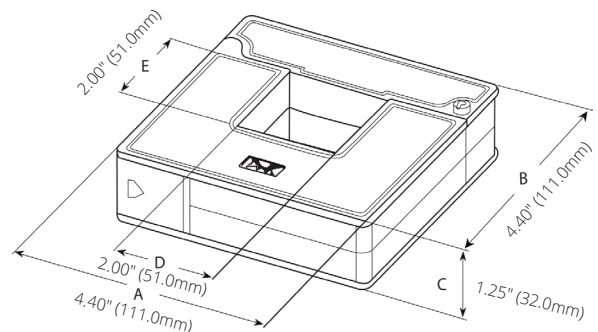
Revision Date: August 2023 Version: 1.0.2
Specs Subject To Change Without Notice



Specifications

RATED CURRENT		400A, 600A, 800A, 1000A
Current Range		5% - 120% of rated current
Output		1A, 80mA, 100mA, 200mA, 333mV
Accuracy		IEC 61869-2 Class 0.5s
MECHANICAL/ENVIRONMENTAL		
Form Factor		Press Open Split-Core CT
Window Size		51.0mm x 51.0mm (2.00" x 2.00")
Exterior Dimensions		111.0mm x 111.0mm x 32.0mm 4.40" x 4.40" x 1.25"
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
ELECTRICAL		
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		400A/333mV: 6.25Ω / 600A/333mV: 4.16Ω / 800A/333mV: 3.12Ω / 1000A/333mV: 2.5Ω 80mA, 100mA, 200mA: 10Ω / 1A: 1VA
SAFETY/COMPLIANCE		
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



Ordering Information

		Rated Input	Rated Output
Ordering Number	AcuCT-200R	-	:
Ordering Example	AcuCT-200R	- 400	: 333mV
		400: 400A	1A
		600: 600A	333mV
		800: 800A	80mA
		1000: 1000A	100mA
			200mA