

AcuCT R Series

AcuCT-075R

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 secondary output options including 80mA and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options
- UL Listed for XOBA UL2808 standard, CSA C22.2 No. 61010-1



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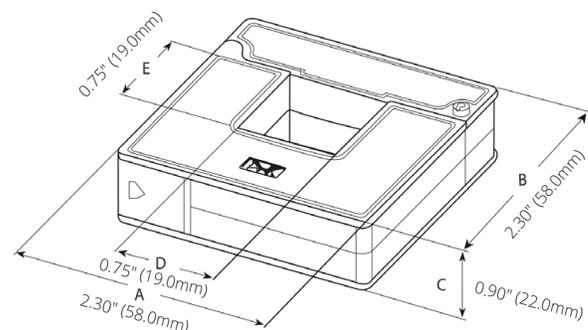
Revision Date: February 2026 Version: 1.0.4
Specs Subject To Change Without Notice



Specifications

RATED CURRENT	
Current Range	50A, 100A, 150A
Output	5% - 120% of rated current
Accuracy	80mA, 100mA, 200mA, 333mV
	IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL	
Form Factor	Press Open Split-Core CT
Window Size	19.0mm x 19.0mm (0.75" x 0.75")
Exterior Dimensions	58.0mm x 58.0mm x 22.0mm 2.30" x 2.30" x 0.90"
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	100A/333mV :25Ω 80mA,100mA,200mA:10Ω
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 IEC 61869-2

Dimensions



Ordering Information

		Rated Input	Rated Output
Ordering Number	AcuCT-075R	-	:
Ordering Example	AcuCT-075R	- 50	: 333mV
		50: 50A	333mV
		100: 100A	80mA
		150: 150A	100mA
			200mA