

AcuCT Hinged Series

AcuCT-H138

Compact Split-Core Current Transformer
Datasheet



Featuring an ultra-compact design with a convenient, hinged opening, the AcuCT Hinged split-core current transformers are high-accuracy sensors that are ideally-suited for branch circuit monitoring in crowded electrical panels. The installer-friendly, hinged design facilitates fast installation without cable or wire disconnection.

Features

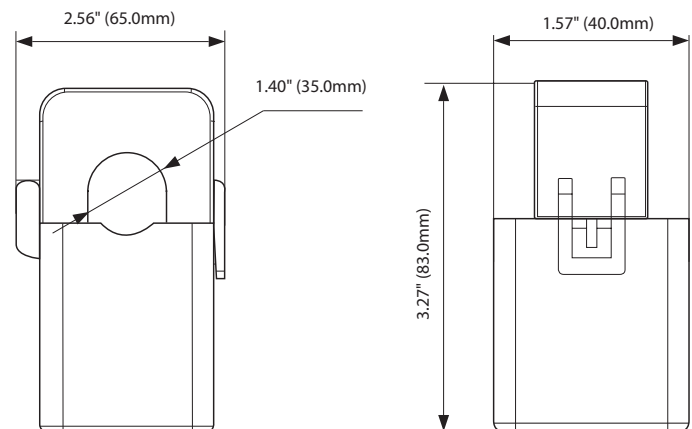
- High accuracy: Compliant with IEC 61869-2 Class 0.5 (from 10% - 120% of rated current)
- Features an inherently safe 333mV output
- Quick installation facilitated due to hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized



Specifications

RATED CURRENT		200A, 250A, 300A, 400A, 500A, 600A
Current Range	10% - 120% of Rated Current	
Output	80mA, 100mA, 333mV, 5A	
Accuracy	IEC 61869-2 Class 0.5	
MECHANICAL/ENVIRONMENTAL		
Form Factor	Hinged Split-Core CT	
Window Size	35.0mm (1.40")	
Exterior Dimensions	65.00mm x 40.00mm x 83.00mm 2.56" x 1.57" x 3.27"	
Case Material	Black Nylon, UL 94V-0	
Lead Wires	2.5m (8ft) Twisted Pair, 22AWG	
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	50-1KHz (50-400Hz)	
Output Resistance (Voltage Output) @80mA and 100mA; burden@5A	80mA and 100mA: 10Ω 5A: 2.5VA	
SAFETY/COMPLIANCE		
Withstand Voltage	3.0KV / 1mA / 1min	
Rated Voltage	600VAC	
Certifications & Compliance	CE, RoHS, cURus (E359521), IEC 61869-2	

Dimensions



Typical Parameter

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN/RESISTANCE	LEAD LENGTH
AcuCT-H138-200: 80mA	200/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-250: 80mA	250/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-300: 80mA	300/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-400: 80mA	400/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-500: 80mA	500/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-200: 100mA	200/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-250: 100mA	250/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-300: 100mA	300/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-400: 100mA	400/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-500: 100mA	500/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-600: 100mA	600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-H138-200: 333mV	200/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-250: 333mV	250/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-300: 333mV	300/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-400: 333mV	400/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-500: 333mV	500/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-600: 333mV	600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-H138-200: 5A	200/5A	1.00%	2.5VA	2.5m
AcuCT-H138-250: 5A	250/5A	1.00%	2.5VA	2.5m
AcuCT-H138-300: 5A	300/5A	1.00%	2.5VA	2.5m
AcuCT-H138-400: 5A	400/5A	1.00%	2.5VA	2.5m
AcuCT-H138-500: 5A	500/5A	1.00%	2.5VA	2.5m
AcuCT-H138-600: 5A	600/5A	0.50%	2.5VA	2.5m

Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-H138		200: 200A		333mV
		250: 250A		80mA
		300: 300A		100mA
		400: 400A		5A
		500: 500A		
		600: 600A		

Ordering Example

AcuCT-H138 - 200 : 333mV



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Revision Date: March 2026 Version: 1.0.8

Specs Subject To Change Without Notice.