

ACCUEVERGY

AcuCT R Series

Revenue Grade Split-Core Current Transformer



D A T A S H E E T

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 of 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

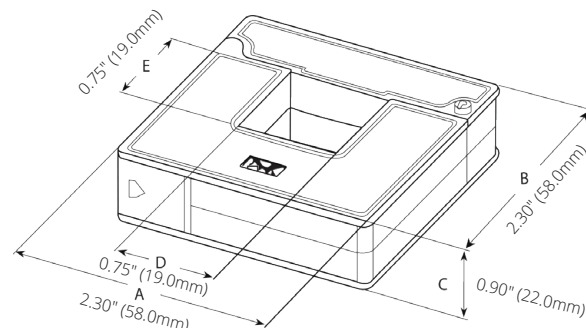
- Revenue grade accuracy: 0.5%
- Choose from multiple secondary output options including 80mA and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options
- UL Listed for XOBA UL2808 standard, CSA C22.2 No. 61010-1



Specifications

RATED CURRENT		50A, 75A, 100A, 150A
Current Range		5%–120% of Rated Current
Output		80mA, 100mA, 200mA, 333mV
Accuracy		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) @80mA, 100mA, 200mA		80mA, 100mA: 10Ω 200mA: 10 Ω@100A,150A
SAFETY/COMPLIANCE		
Withstand Voltage		5.0KV / 1mA / 1min
Rated Voltage		600VAC, Rated CAT III
Certifications		CE, RoHS, UL Listed UL2808 (E469633) IEC 61010-1 and CSA 22.2

Dimensions

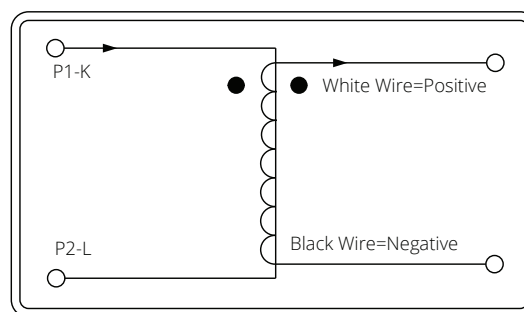
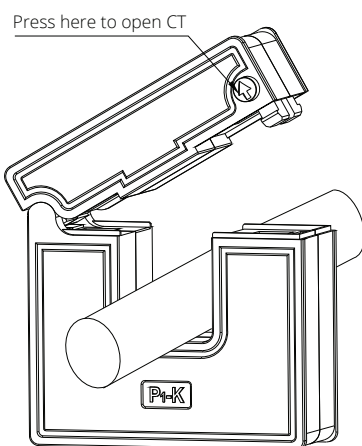


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-075R-50: 80mA	50/80mA	1.00%	10Ω	2.5m
AcuCT-075R-75: 80mA	75/80mA	1.00%	10Ω	2.5m
AcuCT-075R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-075R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-075R-50: 100mA	50/100mA	1.00%	10Ω	2.5m
AcuCT-075R-75: 100mA	75/100mA	1.00%	10Ω	2.5m
AcuCT-075R-100: 100mA	100/100mA	1.00%	10Ω	2.5m
AcuCT-075R-150: 100mA	150/100mA	1.00%	10Ω	2.5m
AcuCT-075R-100: 200mA	100/200mA	1.00%	10Ω	2.5m
AcuCT-075R-150: 200mA	150/200mA	1.00%	10Ω	2.5m
AcuCT-075R-50: 333mV	50/333mV	1.00%		2.5m
AcuCT-075R-75: 333mV	75/333mV	1.00%		2.5m
AcuCT-075R-100: 333mV	100/333mV	0.50%		2.5m
AcuCT-075R-150: 333mV	150/333mV	0.50%		2.5m

Installation Instructions

1. Press the buttons on both sides of the CT's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.
2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-075R		50: 50A		333 mV
		75: 75A		80mA
		100: 100A		100mA
		150: 150A		200mA
Ordering Example	AcuCT-075R	- 50	:	333mV



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Specs Subject To Change Without Notice.

AcuCT R Series

AcuCT-100R

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT R Series CTs are premium, revenue grade split-core current transformers with a selection of 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

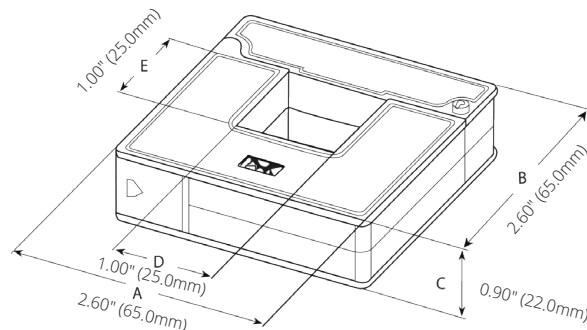
- Revenue grade accuracy: 0.5%
- Choose from multiple voltage or current secondary output options including 80mA and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options
- UL Listed for XOBA UL2808 standard, CSA C22.2 No. 61010-1



Specifications

RATED CURRENT		100A, 150A, 200A, 250A
Current Range		5%–120% of Rated Current
Output		80mA, 100mA, 200mA, 333mV
Accuracy		0.5%
MECHANICAL/ENVIRONMENTAL		
Form Factor		Press Open Split-Core CT
Window Size		25.0mm x 25.0mm (1.00" x 1.00")
Exterior Dimensions		65.0mm x 65.0mm x 22.0mm 2.60" x 2.60" 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) @ 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) IEC 61010-1 and CSA 22.2

Dimensions

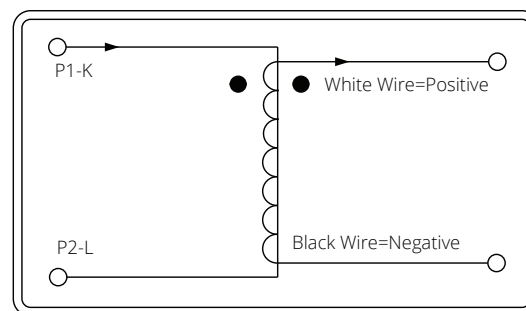
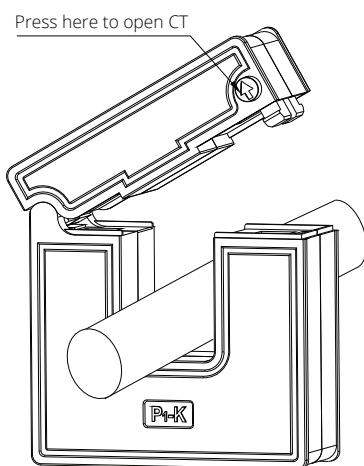


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-100R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-100R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-100R-200: 80mA	200/80mA	1.00%	10Ω	2.5m
AcuCT-100R-250: 80mA	250/80mA	0.50%	10Ω	2.5m
AcuCT-100R-100: 100mA	100/100mA	1.00%	10Ω	2.5m
AcuCT-100R-150: 100mA	150/100mA	1.00%	10Ω	2.5m
AcuCT-100R-200: 100mA	200/100mA	1.00%	10Ω	2.5m
AcuCT-100R-250: 100mA	250/100mA	0.50%	10Ω	2.5m
AcuCT-100R-100: 200mA	100/200mA	1.00%	10Ω	2.5m
AcuCT-100R-150: 200mA	150/200mA	1.00%	10Ω	2.5m
AcuCT-100R-200: 200mA	200/200mA	1.00%	10Ω	2.5m
AcuCT-100R-250: 200mA	250/200mA	1.00%	10Ω	2.5m
AcuCT-100R-100: 333mV	100/333mV	0.50%		2.5m
AcuCT-100R-150: 333mV	150/333mV	0.50%		2.5m
AcuCT-100R-200: 333mV	200/333mV	0.50%		2.5m
AcuCT-100R-250: 333mV	250/333mV	0.50%		2.5m

Installation Instructions

1. Press the buttons on both sides of the CT's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.
2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-100R		100: 100A		333mV
		150: 150A		80mA
		200: 200A		100mA
		250: 250A		200mA
Ordering Example	AcuCT-100R	- 100	:	333mV



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Specs Subject To Change Without Notice.

AcuCT R Series

AcuCT-125R

Revenue Grade Split-Core Current
Transformer Datasheet



The AcuCT R Series CTs are premium, revenue grade split-core current transformers with a selection of 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

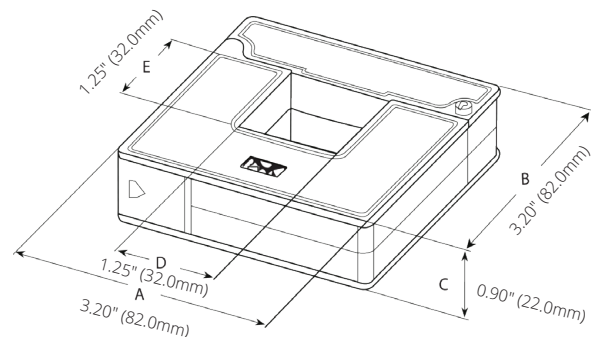
- Revenue grade accuracy: 0.5%
- Choose from multiple voltage or current secondary output options including 1A and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options



Specifications

RATED CURRENT		100A, 150A, 200A, 250A, 300A, 400A
Current Range		5% -120% of Rated Current
Output		1A, 80mA, 100mA, 200mA, 333mV
Accuracy		0.5%
MECHANICAL/ENVIRONMENTAL		
Form Factor		Press Open Split-Core CT
Window Size		32.0mm x 32.0mm (1.25" x 1.25")
Exterior Dimensions		82.0mm x 82.0mm x 22.0mm 3.20" x 3.20" 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) @ 80mA, 100mA, 200mA, burden@1A		80mA, 100mA, 200mA (150A-400A): 10Ω / 1A: 1.25VA (150A-400A)
SAFETY/COMPLIANCE		
Withstand Voltage		5.0KV / 1mA / 1min
Rated Voltage		600VAC, Rated CAT III
Certifications		CE, RoHS, UL Listed UL2808 (E469633) IEC 61010-1 and CSA 22.2

Dimensions

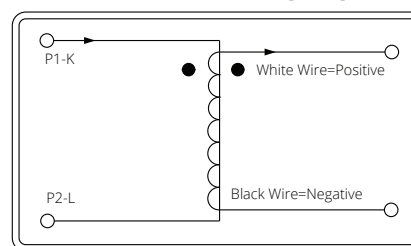
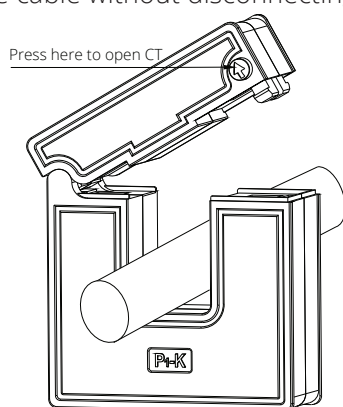


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-125R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-125R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-125R-200: 80mA	200/80mA	0.50%	10Ω	2.5m
AcuCT-125R-250: 80mA	250/80mA	0.50%	10Ω	2.5m
AcuCT-125R-300: 80mA	300/80mA	0.50%	10Ω	2.5m
AcuCT-125R-400: 80mA	400/80mA	0.50%	10Ω	2.5m
AcuCT-125R-100: 100mA	100/100mA	1.00%	10Ω	2.5m
AcuCT-125R-150: 100mA	150/100mA	0.50%	10Ω	2.5m
AcuCT-125R-200: 100mA	200/100mA	0.50%	10Ω	2.5m
AcuCT-125R-250: 100mA	250/100mA	0.50%	10Ω	2.5m
AcuCT-125R-300: 100mA	300/100mA	0.50%	10Ω	2.5m
AcuCT-125R-400: 100mA	400/100mA	0.50%	10Ω	2.5m
AcuCT-125R-150: 200mA	150/200mA	1.00%	10Ω	2.5m
AcuCT-125R-200: 200mA	200/200mA	1.00%	10Ω	2.5m
AcuCT-125R-250: 200mA	250/200mA	1.00%	10Ω	2.5m
AcuCT-125R-300: 200mA	300/200mA	0.50%	10Ω	2.5m
AcuCT-125R-400: 200mA	400/200mA	0.50%	10Ω	2.5m
AcuCT-125R-100: 333mV	100/333mV	0.50%		2.5m
AcuCT-125R-150: 333mV	150/333mV	0.50%		2.5m
AcuCT-125R-200: 333mV	200/333mV	0.50%		2.5m
AcuCT-125R-250: 333mV	250/333mV	0.50%		2.5m
AcuCT-125R-300: 333mV	300/333mV	0.50%		2.5m
AcuCT-125R-400: 333mV	400/333mV	0.50%		2.5m
AcuCT-125R-150: 1A	150/1A	1.00%	1.25VA	2.5m
AcuCT-125R-200: 1A	200/1A	1.00%	1.25VA	2.5m
AcuCT-125R-250: 1A	250/1A	1.00%	1.25VA	2.5m
AcuCT-125R-300: 1A	300/1A	0.50%	1.25VA	2.5m
AcuCT-125R-400: 1A	400/1A	0.50%	1.25VA	2.5m

Installation Instructions

1. Press the buttons on both sides of the CT 's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.
2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-125R		100:100A		333mV
		150: 150A		80mA
		200: 200A		100mA
		250: 250A		200mA
		300: 300A		1A
		400: 400A		

Ordering Example AcuCT-125R - 200 : 333mV



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Specs Subject To Change Without Notice.

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 of 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

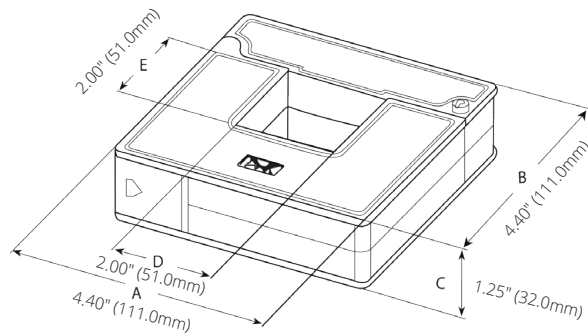
- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from multiple secondary output options including 1A and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options



Specifications

RATED CURRENT	
Current Range	400A, 500A, 600A, 800A, 1000A
Output	5%–120% of Rated Current
Accuracy	1A, 80mA, 100mA, 200mA, 333mV
	IEC 61869-2 Class 0.5
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) @ 80mA, 100mA, 200mA, burden@1A	80mA, 100mA, 200mA: 10Ω / 1A: 1.25VA
SAFETY/COMPLIANCE	
Withstand Voltage	5.0KV / 1mA / 1min
Rated Voltage	600VAC, Rated CAT III
Certifications	CE, RoHS, UL Listed UL2808 (E469633) IEC 61010-1 and CSA 22.2 IEC 61869-2

Dimensions

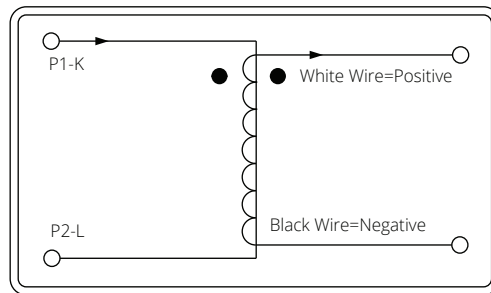
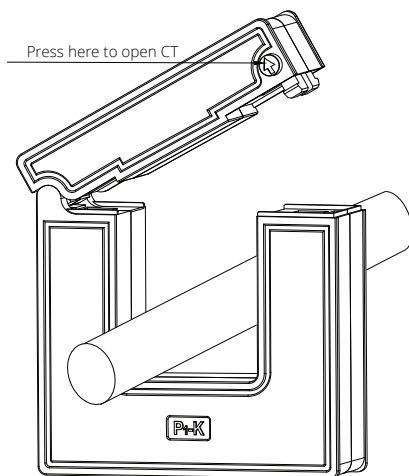


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-200R-400: 80mA	400/80mA	0.50%	10Ω	2.5m
AcuCT-200R-500: 80mA	500/80mA	0.50%	10Ω	2.5m
AcuCT-200R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-400: 100mA	400/100mA	0.50%	10Ω	2.5m
AcuCT-200R-500: 100mA	500/100mA	0.50%	10Ω	2.5m
AcuCT-200R-600: 100mA	600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-800: 100mA	800/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-1000: 100mA	1000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-400: 200mA	400/200mA	0.50%	10Ω	2.5m
AcuCT-200R-500: 200mA	500/200mA	0.50%	10Ω	2.5m
AcuCT-200R-600: 200mA	600/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-800: 200mA	800/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-1000: 200mA	1000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-400: 333mV	400/333mV	0.50%		2.5m
AcuCT-200R-500: 333mV	500/333mV	0.50%		2.5m
AcuCT-200R-600: 333mV	600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-200R-800: 333mV	800/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-200R-1000: 333mV	1000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-200R-400: 1A	400/1A	0.50%	1.25VA	2.5m
AcuCT-200R-500: 1A	500/1A	0.50%	1.25VA	2.5m
AcuCT-200R-600: 1A	600/1A	0.50%	1.25VA	2.5m
AcuCT-200R-800: 1A	800/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-200R-1000: 1A	1000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m

Installation Instructions

1. Press the buttons on both sides of the CT 's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.
2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-200R		400: 400A		1A
		500: 500A		333mV
		600: 600A		80mA
		800: 800A		100mA
		1000: 1000A		200mA
Ordering Example	AcuCT-200R	- 400	:	333mV



Accuenergy Inc.

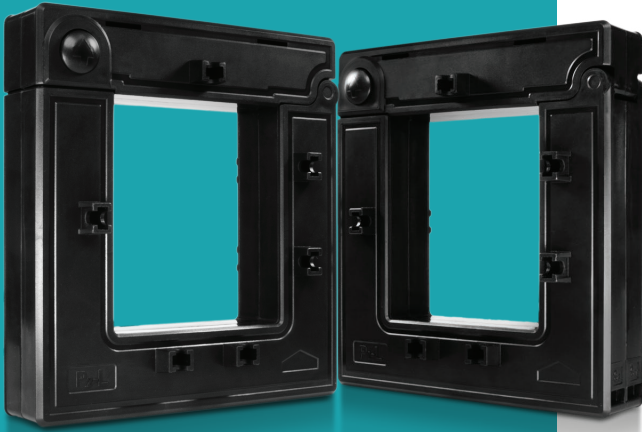
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AcuCT R Series

AcuCT-3135R

Revenue Grade Split-Core
Current Transformer Datasheet



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Features

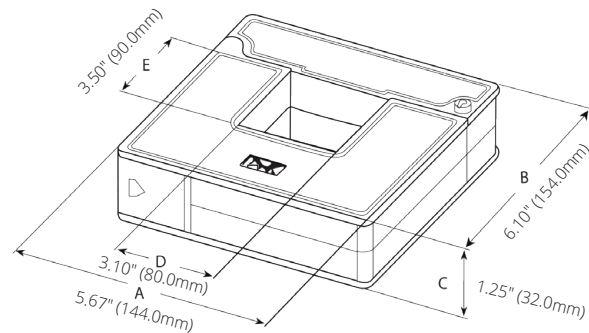
- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from multiple voltage or current secondary output options including 5A and 333mV
- The press-open design helps to speed and simplify installation



Specifications

RATED CURRENT		600A, 800A, 1000A, 1200A, 1500A
Current Range		5% - 120% of Rated Current
Output		5A, 1A, 80mA, 100mA, 200mA, 333mV
Accuracy		IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL		
Form Factor		Press Open Split-Core CT
Window Size		80.0mm x 90.0mm (3.10" x 3.50")
Exterior Dimensions		144.0mm x 154.0mm x 32.0mm 7.00" x 6.10" 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) @80mA, 100mA, 200mA, burden@ 5A, 1A		80mA, 100mA, 200mA: 10Ω / 1A, 5A: 1.25VA
SAFETY/COMPLIANCE		
Withstand Voltage		5.0KV / 1mA / 1min
Rated Voltage		600VAC, Rated CAT III
Certifications		CE, RoHS, UL Listed UL2808 (E469633) IEC 61010-1 and CSA 22.2 IEC 61869-2

Dimensions

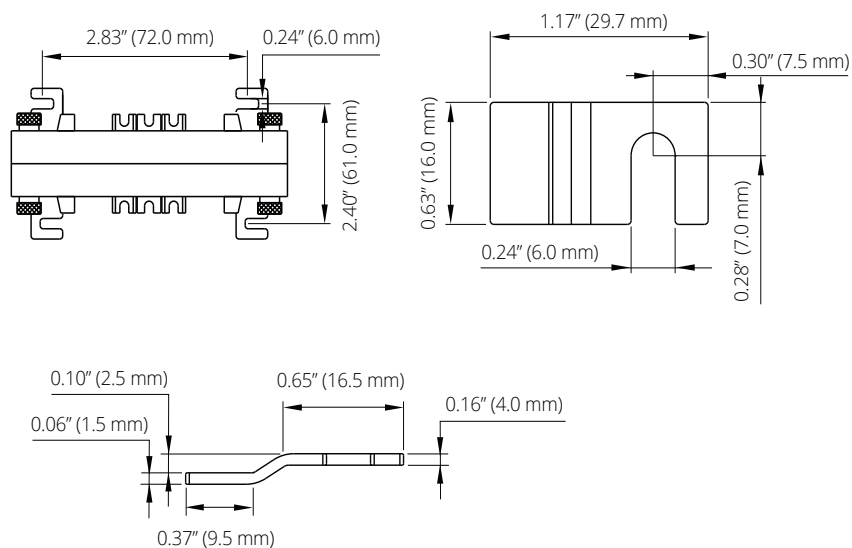
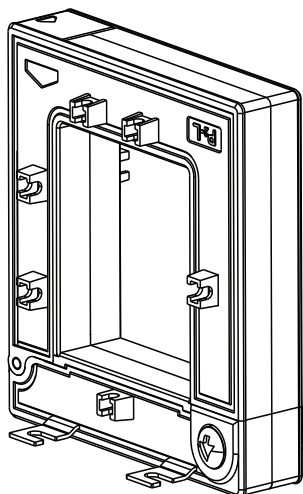


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-3135R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1200: 80mA	1200/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1500: 80mA	1500/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-600: 100mA	600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-800: 100mA	800/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1000: 100mA	1000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1200: 100mA	1200/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1500: 100mA	1500/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-600: 200mA	600/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-800: 200mA	800/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1000: 200mA	1000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1200: 200mA	1200/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1500: 200mA	1500/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-600: 333mV	600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-3135R-800: 333mV	800/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-3135R-1000: 333mV	1000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-3135R-1200: 333mV	1200/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-3135R-1500: 333mV	1500/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-3135R-600: 1A	600/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-800: 1A	800/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1000: 1A	1000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1200: 1A	1200/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1500: 1A	1500/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-600: 5A	600/5A	0.50%	1.25VA	2.5m
AcuCT-3135R-800: 5A	800/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1000: 5A	1000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1200: 5A	1200/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-3135R-1500: 5A	1500/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m

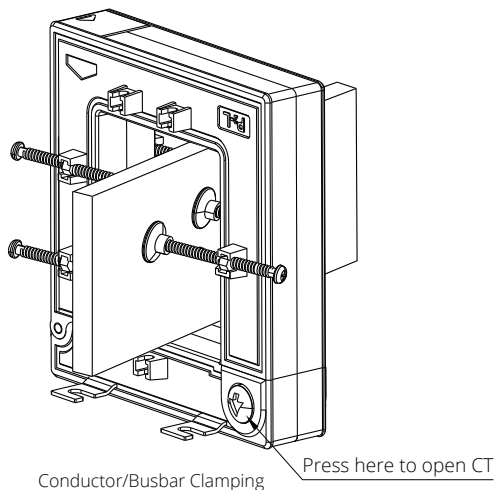
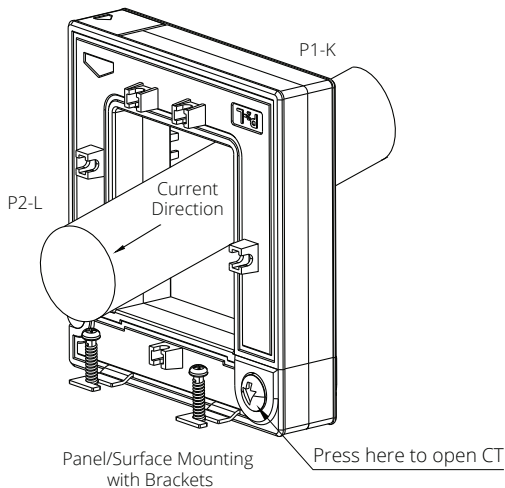
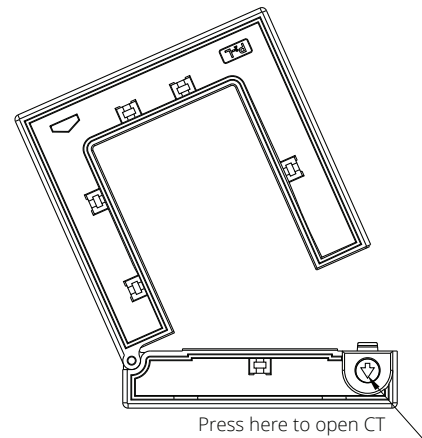
Mounting Brackets Accessory

Mounting accessories are available for the AcuCT R series. Each mounting kit includes 4 mounting brackets.

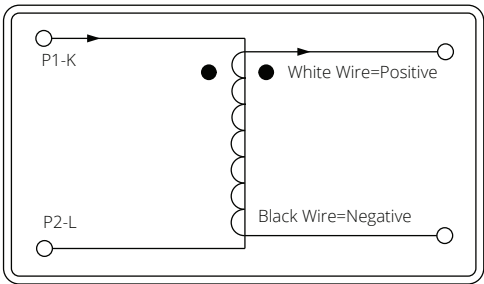


Installation Instructions

1. Press the buttons on both sides of the CT's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.



2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



3. Where applicable, clamping screws and pressure washers are used to secure the conductor or busbar inside the CT window and prevent movement.
4. The CT can also be secured independently to a panel, backplate, or support surface using mounting brackets. This method is recommended when the CT weight cannot be supported by the conductor or busbar. The mounting base accepts M5 or M6 screws/bolts.

Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-3135R		600: 600A		1A
		800: 800A		5A
		1000: 1000A		333mV
		1200: 1200A		80mA
		1500: 1500A		100mA
				200mA

Ordering Example	AcuCT-3135R	-	600	:	333mV
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+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP4
Ordering Example	ACUBRAC - SP4



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Revision Date: May 2026 Version: 1.0.6
Specs Subject To Change Without Notice.

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 of 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

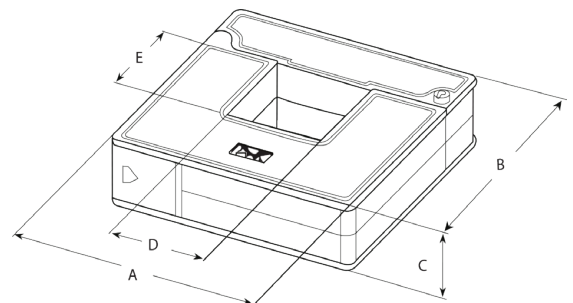


Specifications

RATED CURRENT	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
MECHANICAL/ENVIRONMENTAL	
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
ELECTRICAL	
Wire Polarity	White=Positive, Black=Negative
Phase Orientation	Arrow Points Towards Load
Frequency Range	50/60Hz
Output Resistance (Voltage Output)@80mA, 100mA, 200mA, Burden@ 5A, 1A	80mA, 100mA, 200mA: 10Ω / 1A, 5A: 1.25VA
SAFETY/COMPLIANCE	
Withstand Voltage	5.0kV / 1mA / 1min
Rated Voltage	600VAC, Rated CAT III
Certifications & Compliance	CE, RoHS, UL Listed UL2808 (E469633), IEC 61010-1 and CSA 22.2, IEC 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)



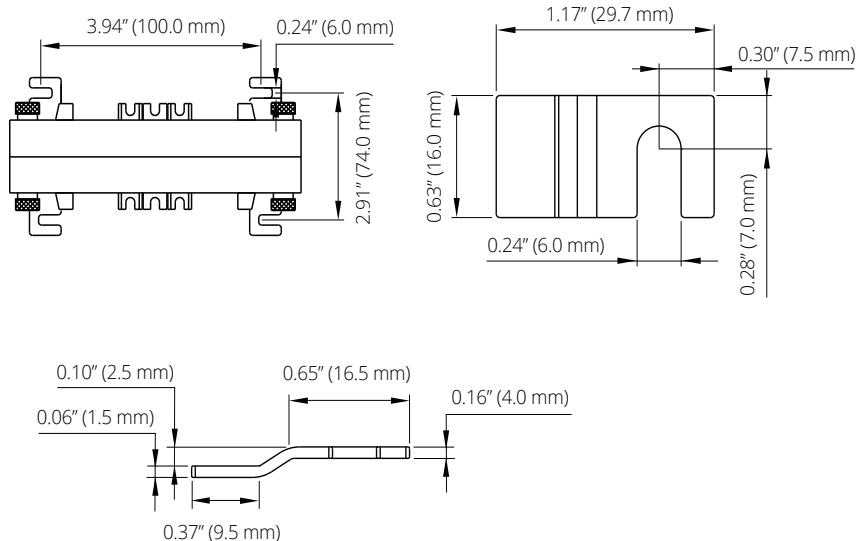
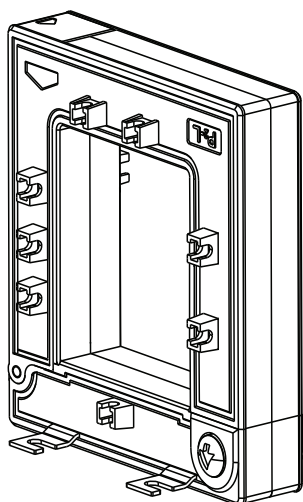
Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-4161R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1200: 80mA	1200/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1600: 80mA	1600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2000: 80mA	2000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2500: 80mA	2500/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-3000: 80mA	3000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-4000: 80mA	4000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-5000: 80mA	5000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-600: 100mA	600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-800: 100mA	800/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1000: 100mA	1000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1200: 100mA	1200/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1600: 100mA	1600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2000: 100mA	2000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2500: 100mA	2500/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-3000: 100mA	3000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-4000: 100mA	4000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-5000: 100mA	5000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-600: 200mA	600/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-800: 200mA	800/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1000: 200mA	1000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1200: 200mA	1200/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1600: 200mA	1600/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2000: 200mA	2000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-2500: 200mA	2500/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-3000: 200mA	3000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-4000: 200mA	4000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-5000: 200mA	5000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-600: 333mV	600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-800: 333mV	800/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-1000: 333mV	1000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-1200: 333mV	1200/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-1600: 333mV	1600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-2000: 333mV	2000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-2500: 333mV	2500/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-3000: 333mV	3000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-4000: 333mV	4000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-5000: 333mV	5000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-4161R-600: 1A	600/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-800: 1A	800/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1000: 1A	1000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1200: 1A	1200/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1600: 1A	1600/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-2000: 1A	2000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-2500: 1A	2500/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-3000: 1A	3000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m

AcuCT-4161R-4000: 1A	4000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-5000: 1A	5000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-600: 5A	600/5A	0.50%	1.25VA	2.5m
AcuCT-4161R-800: 5A	800/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1000: 5A	1000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1200: 5A	1200/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-1600: 5A	1600/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-2000: 5A	2000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-2500: 5A	2500/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-3000: 5A	3000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-4000: 5A	4000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-4161R-5000: 5A	5000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m

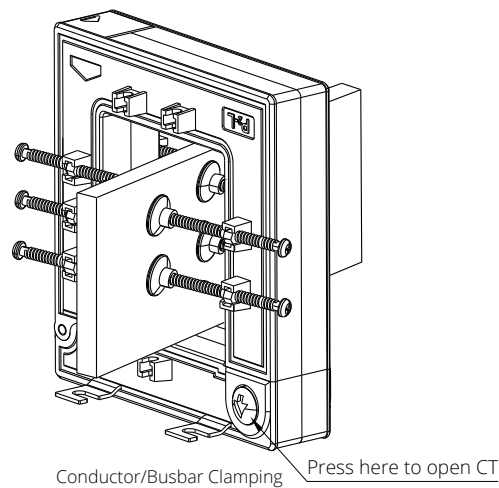
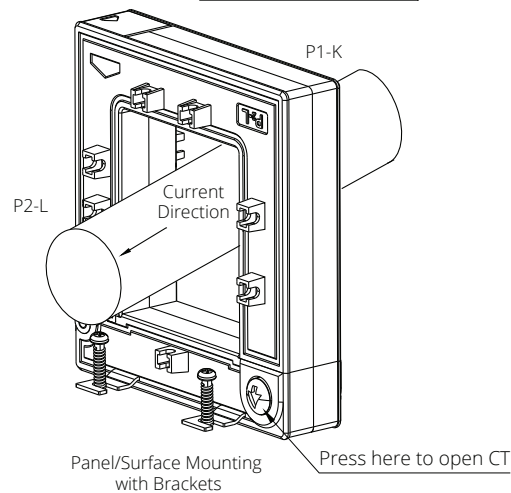
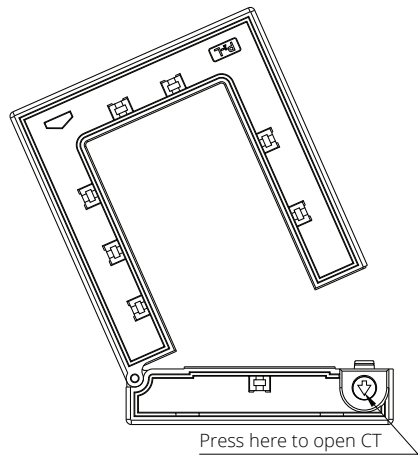
Mounting Brackets Accessory

Mounting accessories are available for the AcuCT R series. Each mounting kit includes 4 mounting brackets.

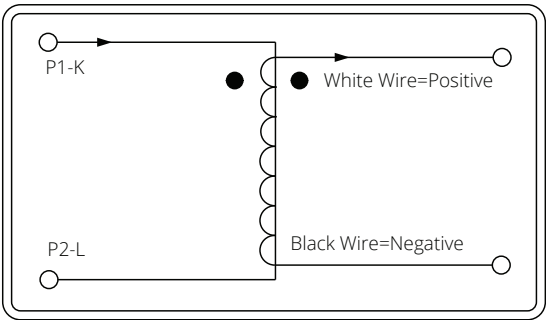


Installation Instructions

1. Press the buttons on both sides of the CT's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.



2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead..



3. Where applicable, clamping screws and pressure washers are used to secure the conductor or busbar inside the CT window and prevent movement.
4. The CT can also be secured independently to a panel, backplate, or support surface using mounting brackets. This method is recommended when the CT weight cannot be supported by the conductor or busbar. The mounting base accepts M5 or M6 screws/bolts.

Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-4161R		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		

Ordering Example AcuCT-4161R - 2000 : 333mV

+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP4
Ordering Example	ACUBRAC - SP4



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Revision Date: May 2026 Version: 1.0.7
Specs Subject To Change Without Notice.

AcuCT R Series

AcuCT-5170R

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT R Series CTs are premium, revenue grade split-core current transformers with a selection of 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

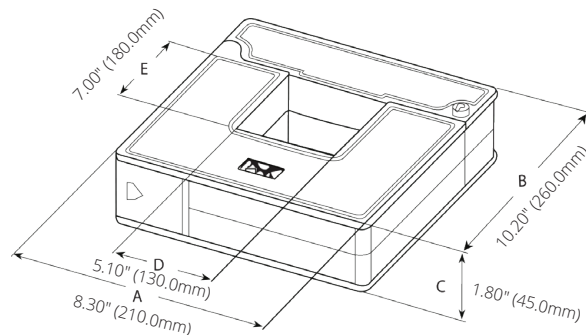
- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from multiple voltage or current secondary output options including 5A and 333mV



Specifications

RATED CURRENT		1000A, 1600A, 2000A, 3000A, 4000A, 5000A
Current Range		5% - 120% of Rated Current
Output		5A, 1A, 80mA, 100mA, 200mA, 333mV
Accuracy		IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL		
Form Factor		Press Open Split-Core CT
Window Size		130.0mm x 180.0mm (5.10" x 7.00")
Exterior Dimensions		210.0mm x 260.0mm x 45.0mm 8.30" x 10.20" 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
ELECTRICAL		
Wire Polarity		White=Positive, Black=Negative
Phase Orientation		Arrow Points Towards Load
Frequency Range		50/60Hz
Output Resistance (Voltage Output) @80mA, 100mA,200mA, burden @ 5A, 1A		80mA,100mA, 200mA: 10Ω / 1A,5A: 1.25VA
SAFETY/COMPLIANCE		
Withstand Voltage		5.0KV / 1mA / 1min
Rated Voltage		600VAC, Rated CAT III
Certifications		CE, RoHS, UL Listed UL2808 (E469633) IEC 61010-1 and CSA 22.2 IEC 61869-2

Dimensions

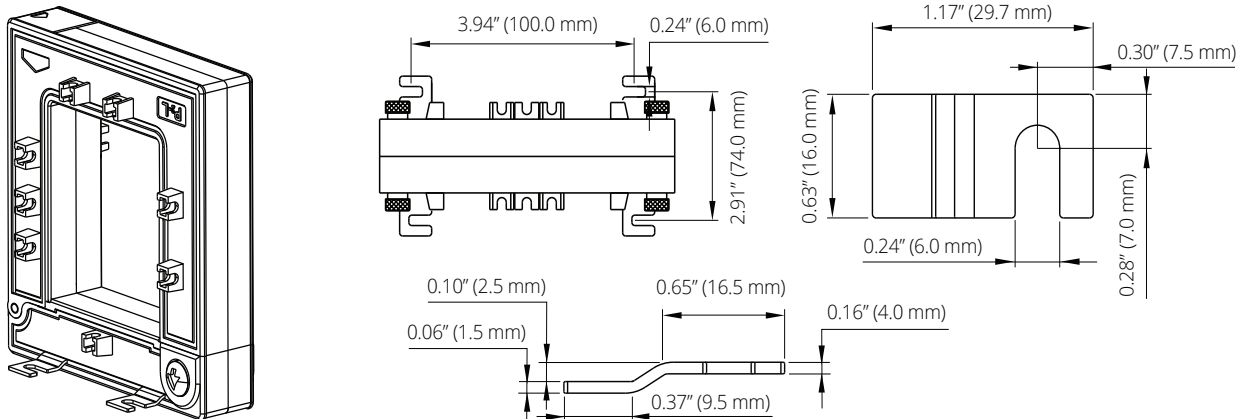


Typical Parameters

MODEL	CURRENT RATIO	ACCURACY CLASS	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-5170R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1600: 80mA	1600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-2000: 80mA	2000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-3000: 80mA	3000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-4000: 80mA	4000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-5000: 80mA	5000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1000: 100mA	1000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1600: 100mA	1600/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-2000: 100mA	2000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-3000: 100mA	3000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-4000: 100mA	4000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-5000: 100mA	5000/100mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1000: 200mA	1000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1600: 200mA	1600/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-2000: 200mA	2000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-3000: 200mA	3000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-4000: 200mA	4000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-5000: 200mA	5000/200mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-5170R-1000: 333mV	1000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-1600:333mV	1600/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-2000: 333mV	2000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-3000: 333mV	3000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-4000: 333mV	4000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-5000: 333mV	5000/333mV	IEC 61869-2 Class 0.5		2.5m
AcuCT-5170R-1000: 1A	1000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-1600: 1A	1600/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-2000: 1A	2000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-3000: 1A	3000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-4000: 1A	4000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-5000: 1A	5000/1A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-1000: 5A	1000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-1600: 5A	1600/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-2000: 5A	2000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-3000: 5A	3000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-4000: 5A	4000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m
AcuCT-5170R-5000: 5A	5000/5A	IEC 61869-2 Class 0.5	1.25VA	2.5m

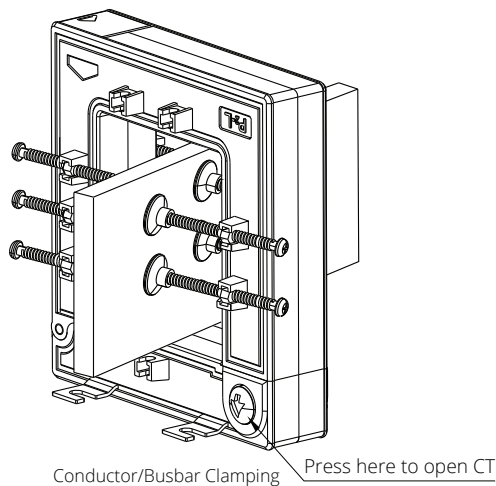
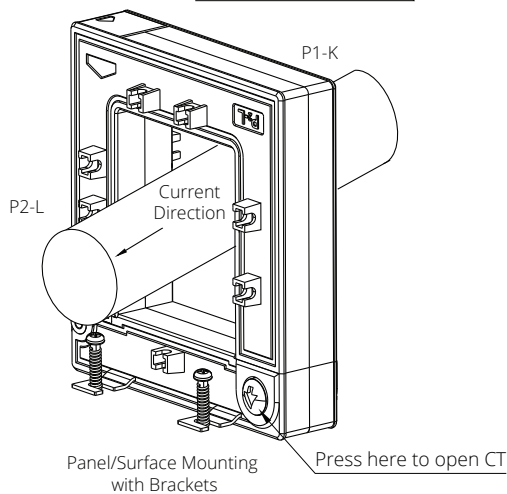
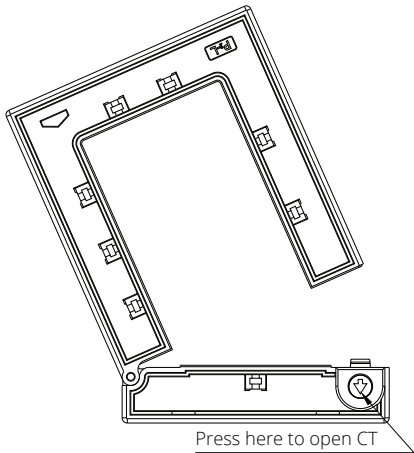
Mounting Brackets Accessory

Mounting accessories are available for the AcuCT R series. Each mounting kit includes 4 mounting brackets.

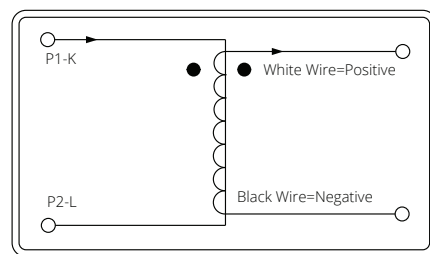


Installation Instructions

1. Press the buttons on both sides of the CT's upper part to open it, so that the CT can be connected to the cable without disconnecting the cable.



2. The primary conductor cable is threaded into the CT from side P1-K, with the white wire being positive lead and the black wire being negative lead.



3. Where applicable, clamping screws and pressure washers are used to secure the conductor or busbar inside the CT window and prevent movement.

4. The CT can also be secured independently to a panel, backplate, or support surface using mounting brackets. This method is recommended when the CT weight cannot be supported by the conductor or busbar. The mounting base accepts M5 or M6 screws/bolts.

Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-5170R		1000: 1000A		1A
		1600: 1600A		5A
		2000: 2000A		333mV
		3000: 3000A		80mA
		4000: 4000A		100mA
		5000: 5000A		200mA

Ordering Example	AcuCT-5170R	-	2000	:	333mV
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+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP4
Ordering Example	ACUBRAC - SP4



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