ACCUENERGY

AcuCT R Series

Revenue Grade Split-Core Current Transformer



DATASHEET

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.

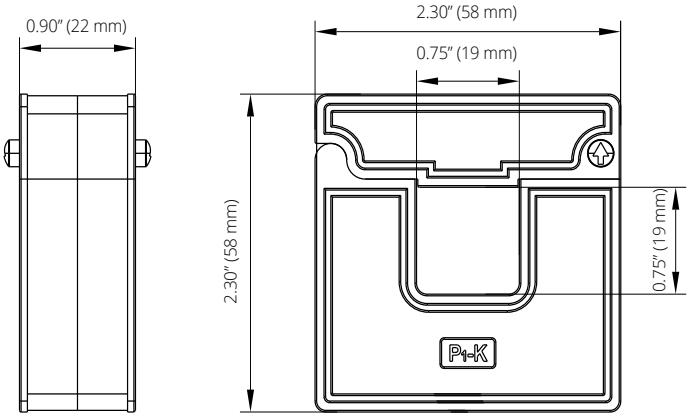
Features

- 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 94 V-0 Rated to 130°C (266°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
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2

Dimensions

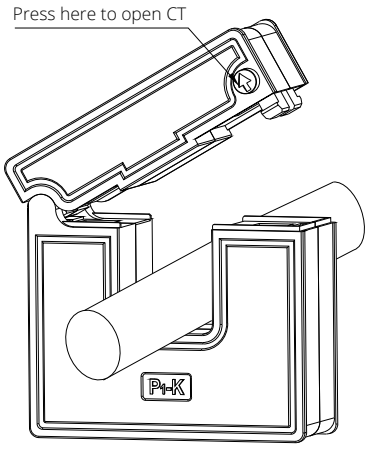


Typical Parameters

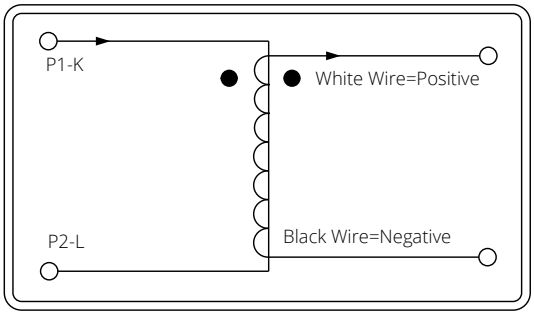
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-075R-50: 80mA	50/80mA	1.00%	10Ω	2.5m
AcuCT-075R-75: 80mA	75/80mA	1.00%	10Ω	2.5m
AcuCT-075R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-075R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-075R-50: 100mA	50/100mA	1.00%	10Ω	2.5m
AcuCT-075R-75: 100mA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

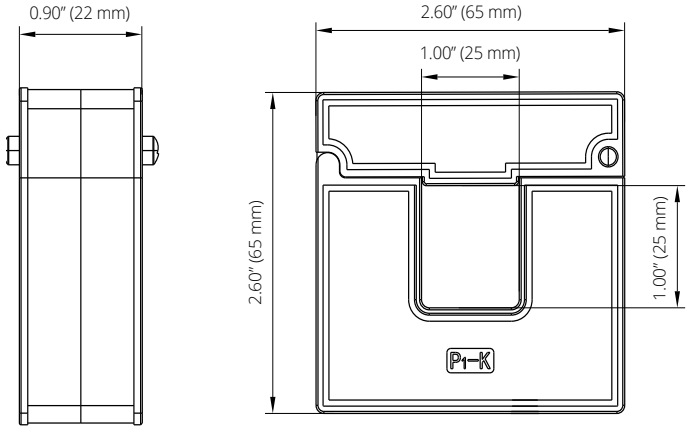
Features

- 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 94V-0 Rated to 130°C (266°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
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2

Dimensions

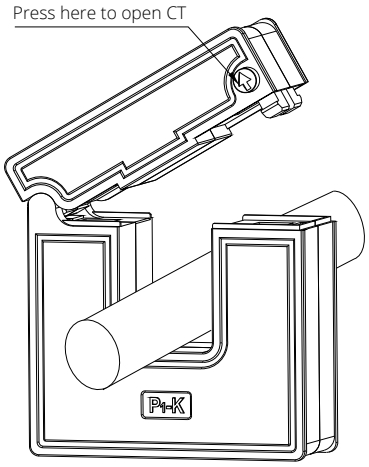


Typical Parameters

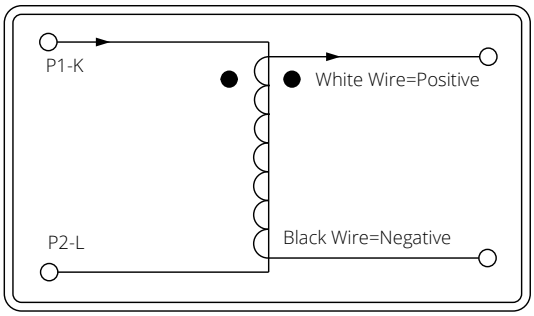
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-100R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-100R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-100R-200: 80mA	200/80mA	1.00%	10Ω	2.5m
AcuCT-100R-250: 80mA	250/80mA	0.50%	10Ω	2.5m
AcuCT-100R-100: 100mA	100/100mA	1.00%	10Ω	2.5m
AcuCT-100R-150: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

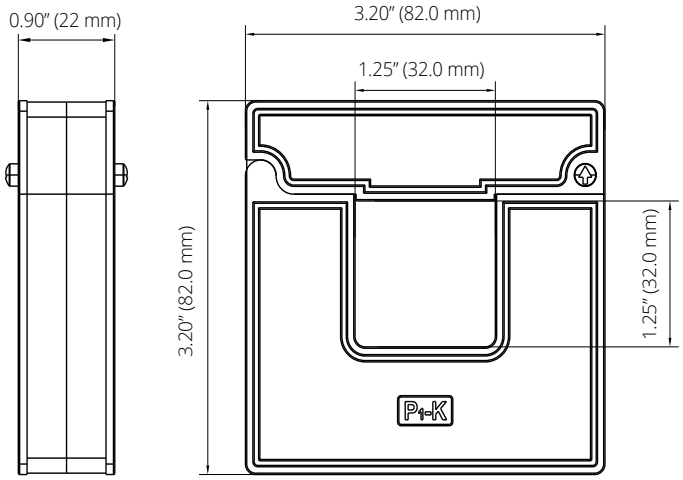
Features

- 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 94 V-0 Rated to 130°C (266°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)
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2

Dimensions

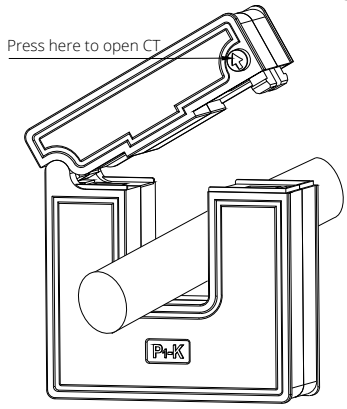


Typical Parameters

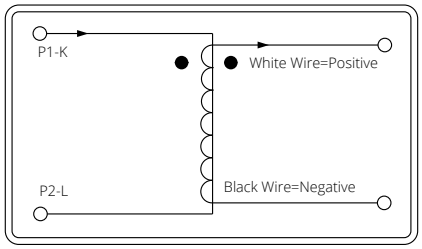
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-125R-100: 80mA	100/80mA	1.00%	10Ω	2.5m
AcuCT-125R-150: 80mA	150/80mA	1.00%	10Ω	2.5m
AcuCT-125R-200: 80mA	200/80mA	0.50%	10Ω	2.5m
AcuCT-125R-250: 80mA	250/80mA	0.50%	10Ω	2.5m
AcuCT-125R-300: 80mA	300/80mA	0.50%	10Ω	2.5m
AcuCT-125R-400: 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**

Accuenergy Inc.

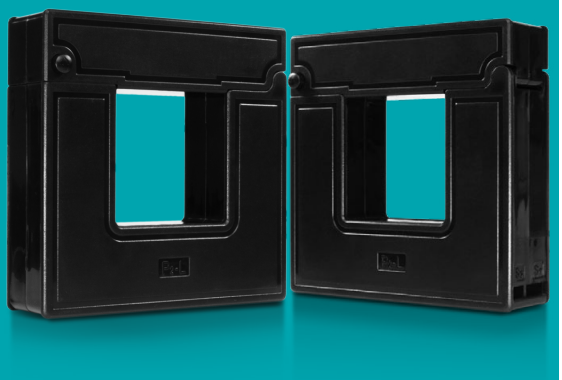
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Revision Date: September 2026 Version: 1.0.9
Specs Subject To Change Without Notice.

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.

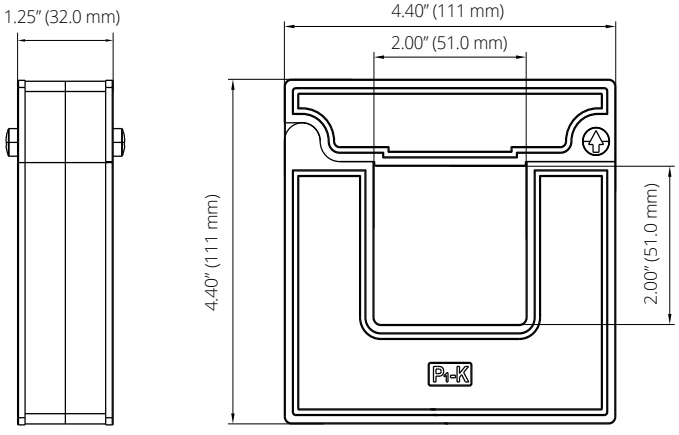
Features

- 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	400A, 500A, 600A, 800A, 1000A
Current Range	5%–120% of Rated Current
Output	1A, 80mA, 100mA, 200mA,333mV
Accuracy	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 94 V-0 Rated to 130°C (266°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 -2.5VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2 IEC 61869-2

Dimensions

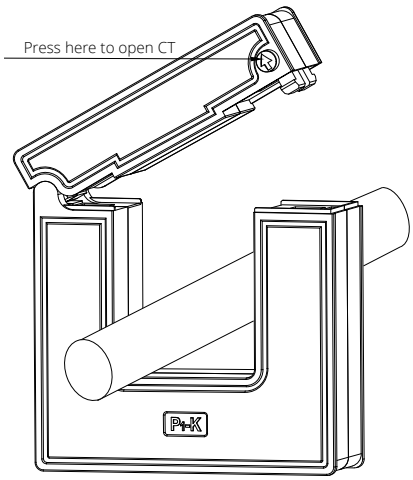


Typical Parameters

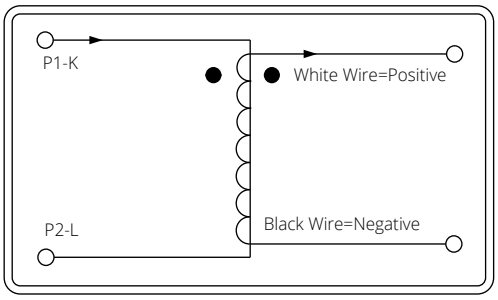
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-200R-400: 80mA	400/80mA	0.50%	10Ω	2.5m
AcuCT-200R-500: 80mA	500/80mA	0.50%	10Ω	2.5m
AcuCT-200R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-200R-1000: 80mA	1000/80mA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

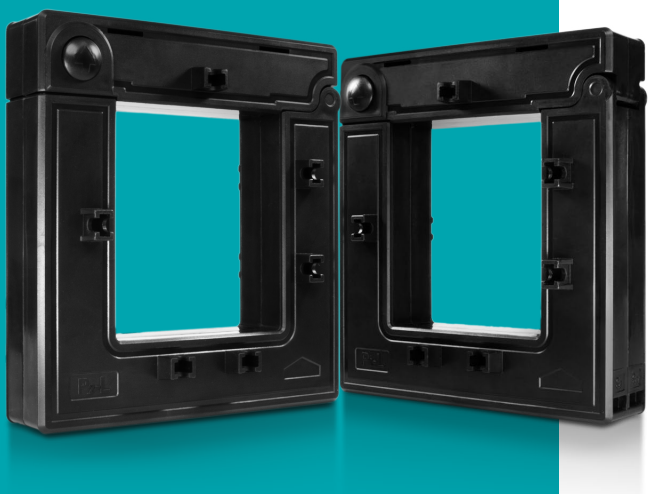
Telephone: 1-800-794-5883
Web: www.mod-tronic.com
Email: sales@mod-tronic.com

Revision Date: September 2026 Version: 1.0.9
Specs Subject To Change Without Notice.

AcuCT R Series

AcuCT-3135R

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.

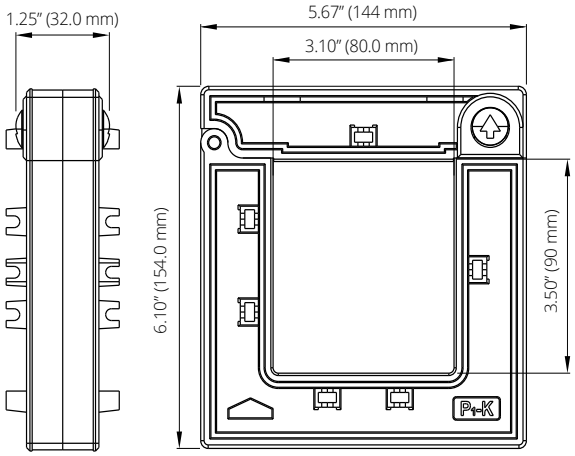
Features

- 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
- Mounting bracket kit included as standard

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 5.67" x 6.10" x 1.25"
Case Material	UL 94 V-0 Rated to 130°C (266°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: 1.25VA-2.5VA / 5A: 2.5VA-5VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2 IEC 61869-2

Dimensions

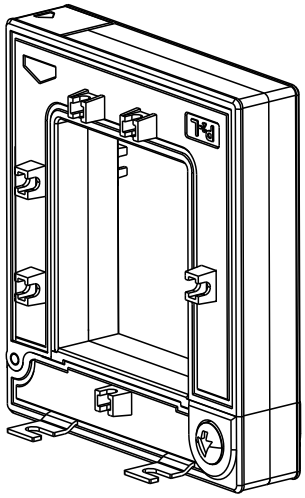


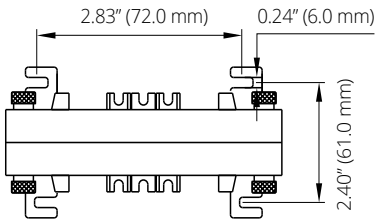
Typical Parameters

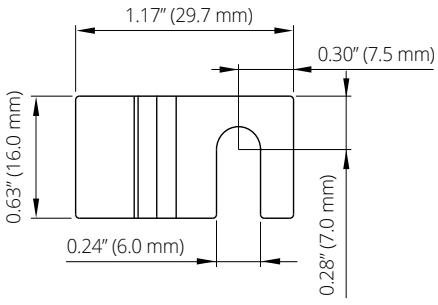
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-3135R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-3135R-1200: 80mA	1200/80mA	IEC 61869-2 Class 0.5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

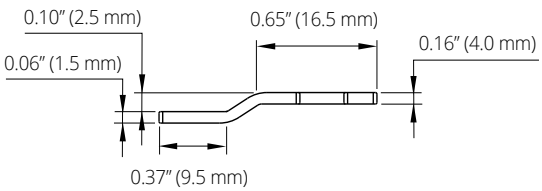
Mounting Brackets (Included)

Mounting brackets are supplied as standard with this model. Each CT ships with a mounting kit containing 4 mounting brackets, 5 clamping screws (M5x60mm), 5 clamping knobs and 5 nuts.



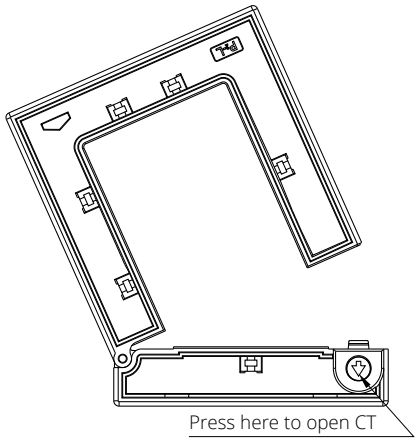


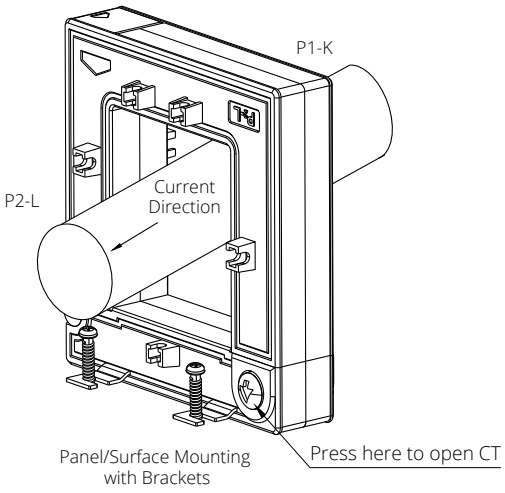




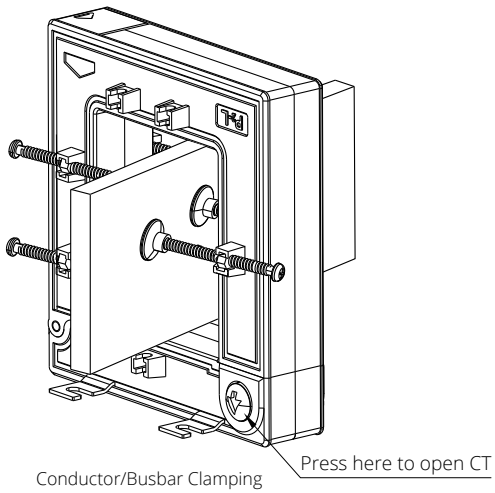
Installation Instructions

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.



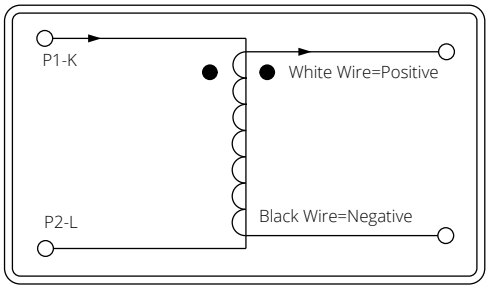


Panel/Surface Mounting with Brackets



Conductor/Busbar Clamping

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, nuts and knobs 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 the supplied 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**

\+ **Accessory *(Included)***

Model	*Accessory*
ACUBRAC	SP4
Ordering Example	**ACUBRAC - SP4**

Accuenergy Inc.

Telephone: 1-800-794-5883
Web: www.mod-tronic.com
Email: sales@mod-tronic.com

Revision Date: September 2026 Version: 1.0.8
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.

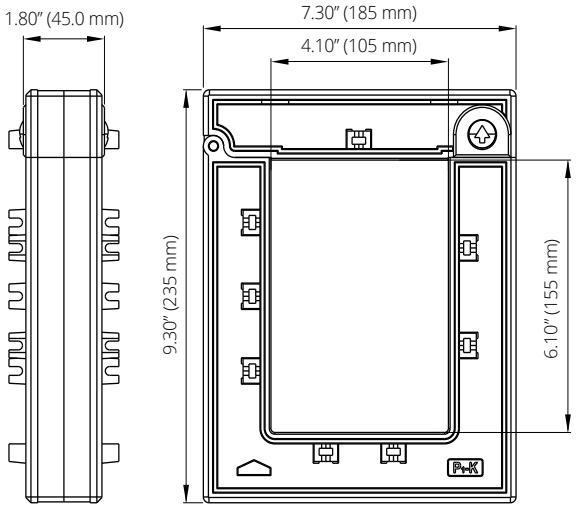
Features

- 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
- Mounting bracket kit included as standard

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 94 V-0 Rated to 130°C (266°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: 1.25VA-5VA / 5A: 2.5VA-15VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2 IEC 61869-2

Dimensions



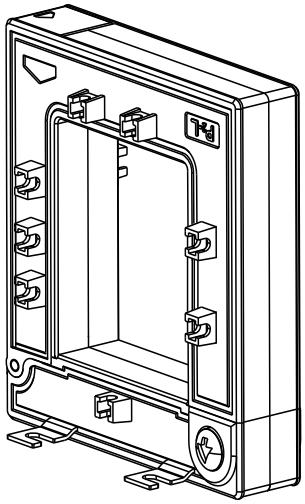
Typical Parameters

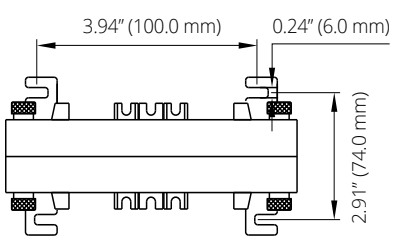
MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-4161R-600: 80mA	600/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-800: 80mA	800/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1000: 80mA	1000/80mA	IEC 61869-2 Class 0.5	10Ω	2.5m
AcuCT-4161R-1200: 80mA	1200/80mA	IEC 61869-2 Class 0.5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

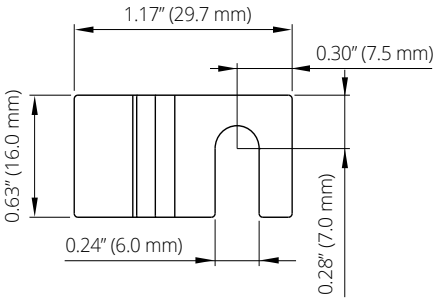
AcuCT-4161R-4000: 1A	4000/1A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-4161R-5000: 1A	5000/1A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-4161R-600: 5A	600/5A	0.50%	2.5VA	2.5m
AcuCT-4161R-800: 5A	800/5A	IEC 61869-2 Class 0.5	2.5VA	2.5m
AcuCT-4161R-1000: 5A	1000/5A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-4161R-1200: 5A	1200/5A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-4161R-1600: 5A	1600/5A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-4161R-2000: 5A	2000/5A	IEC 61869-2 Class 0.5	10VA	2.5m
AcuCT-4161R-2500: 5A	2500/5A	IEC 61869-2 Class 0.5	10VA	2.5m
AcuCT-4161R-3000: 5A	3000/5A	IEC 61869-2 Class 0.5	10VA	2.5m
AcuCT-4161R-4000: 5A	4000/5A	IEC 61869-2 Class 0.5	15VA	2.5m
AcuCT-4161R-5000: 5A	5000/5A	IEC 61869-2 Class 0.5	15VA	2.5m

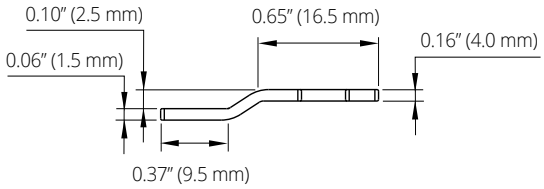
Mounting Brackets (Included)

Mounting brackets are supplied as standard with this model. Each CT ships with a mounting kit containing 4 mounting brackets, 5 clamping screws (M5x60mm), 5 clamping knobs and 5 nuts.



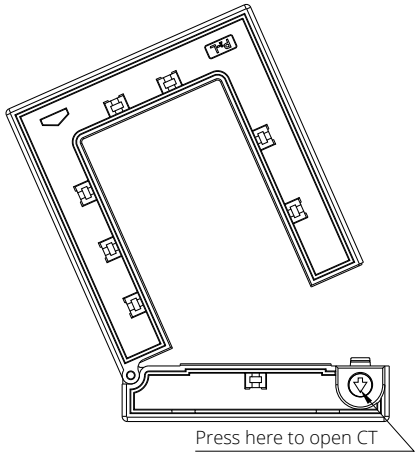


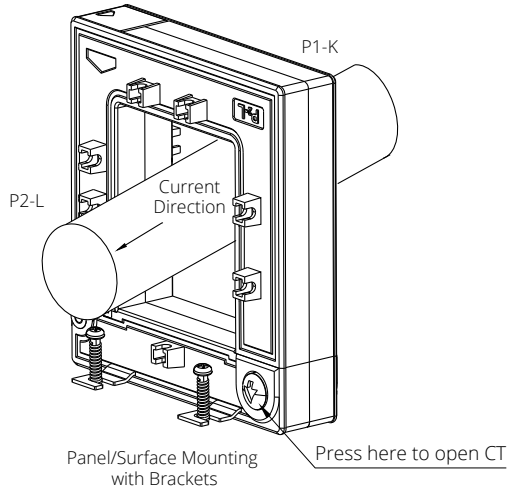




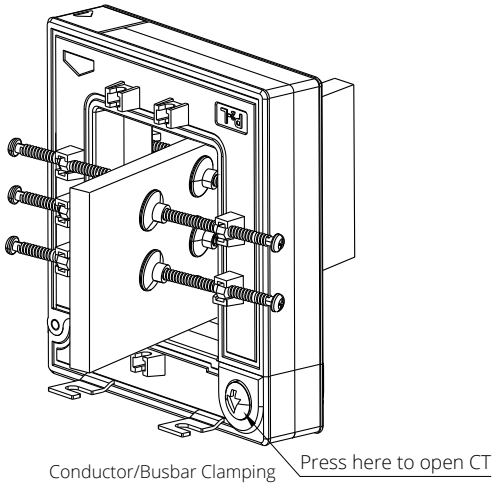
Installation Instructions

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.



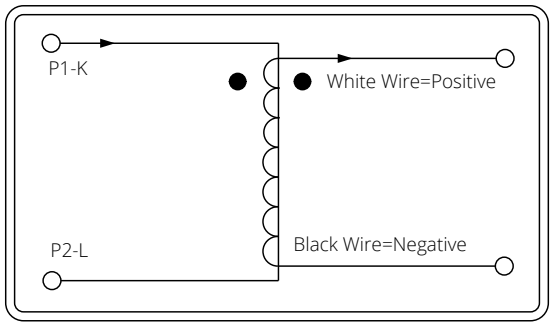


Panel/Surface Mounting with Brackets



Conductor/Busbar Clamping

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, nuts, and knobs 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 the supplied 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 *(Included)***

Model	*Accessory*
ACUBRAC	SP4
Ordering Example	**ACUBRAC - SP4**

Accuenergy Inc.

Telephone: 1-800-794-5883
Web: www.mod-tronic.com
Email: sales@mod-tronic.com

Revision Date: September 2026 Version: 1.0.9
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.

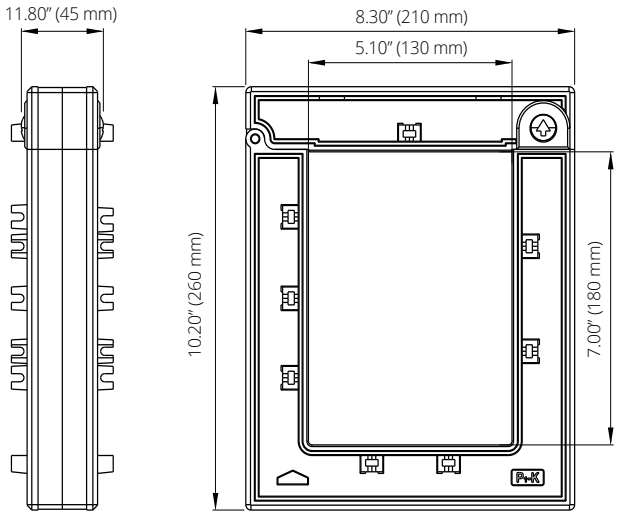
Features

- 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
- Mounting bracket kit included as standard

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 94 V-0 Rated to 130°C (266°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 :1.25VA-5VA / 5A: 5VA-15VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
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 C22.2 IEC 61869-2

Dimensions

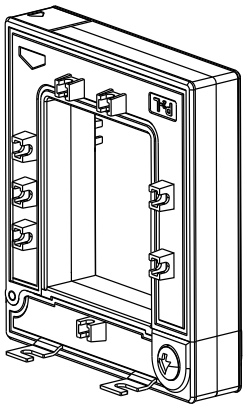


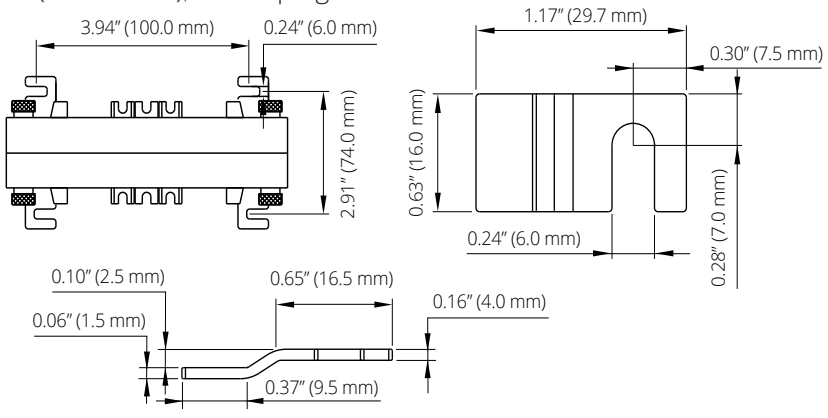
Typical Parameters

MODEL	CURRENT RATIO	ACCURACY	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	2.5VA	2.5m
AcuCT-5170R-3000: 1A	3000/1A	IEC 61869-2 Class 0.5	2.5VA	2.5m
AcuCT-5170R-4000: 1A	4000/1A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-5170R-5000: 1A	5000/1A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-5170R-1000: 5A	1000/5A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-5170R-1600: 5A	1600/5A	IEC 61869-2 Class 0.5	5VA	2.5m
AcuCT-5170R-2000: 5A	2000/5A	IEC 61869-2 Class 0.5	10VA	2.5m
AcuCT-5170R-3000: 5A	3000/5A	IEC 61869-2 Class 0.5	10VA	2.5m
AcuCT-5170R-4000: 5A	4000/5A	IEC 61869-2 Class 0.5	15VA	2.5m
AcuCT-5170R-5000: 5A	5000/5A	IEC 61869-2 Class 0.5	15VA	2.5m

Mounting Brackets (Included)

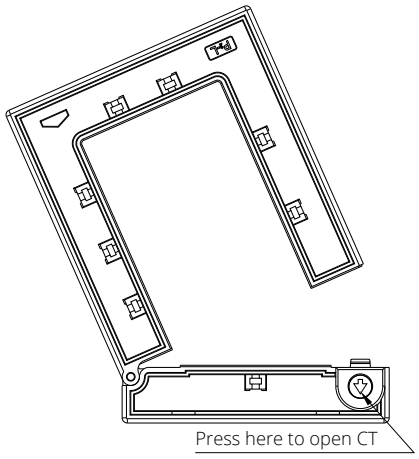
Mounting brackets are supplied as standard with this model. Each CT ships with a mounting kit containing 4 mounting brackets, 5 clamping screws (M5x60mm), 5 clamping knobs and 5 nuts.

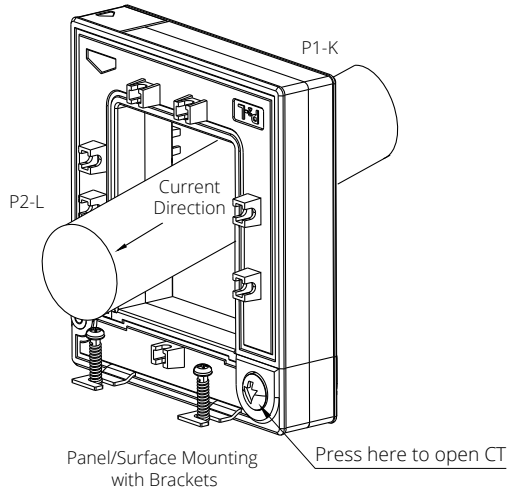




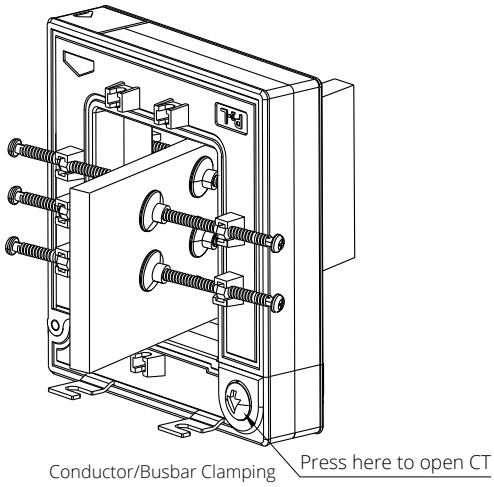
Installation Instructions

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.



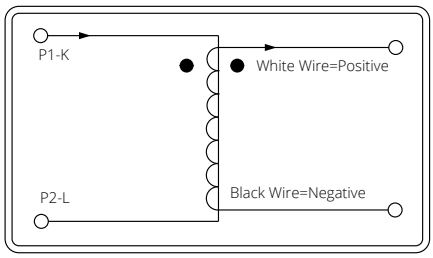


Panel/Surface Mounting with Brackets



Conductor/Busbar Clamping

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.



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Model	-	*Rated Input*	:	*Rated Output*
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		4000: 4000A		100mA
		5000: 5000A		200mA
Ordering Example	**AcuCT-5170R**	**-**	**2000**	**:**	**333mV**

\+ **Accessory *(Included)***

Model	*Accessory*
ACUBRAC	SP4
Ordering Example	**ACUBRAC - SP4**

MOD-TRONIC INSTRUMENTS LIMITED

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Revision Date: September 2026 Version: 1.0.8
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