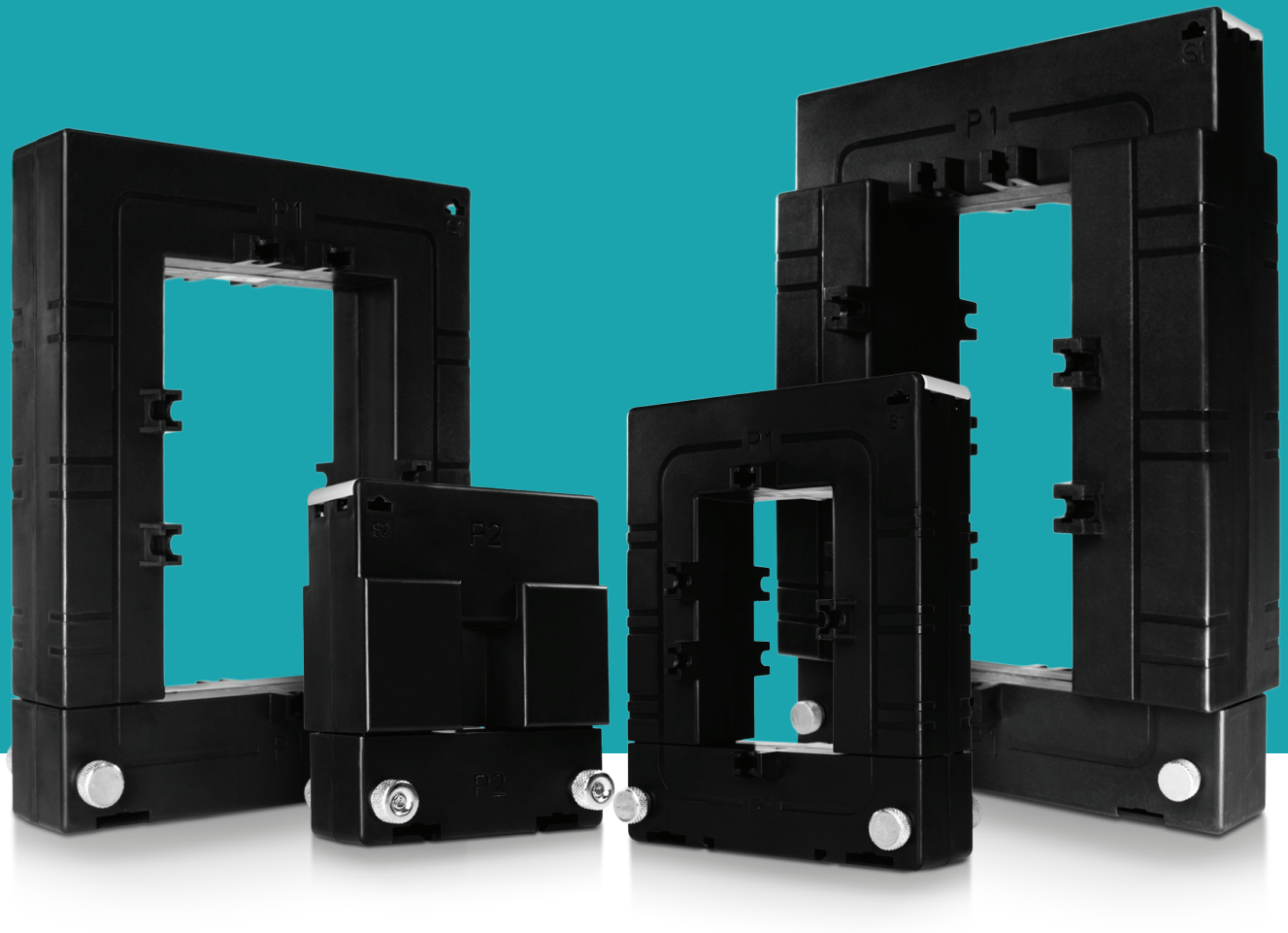
ACCUENERGY

AcuCT 5A Series

5A Split-Core Current Transformer

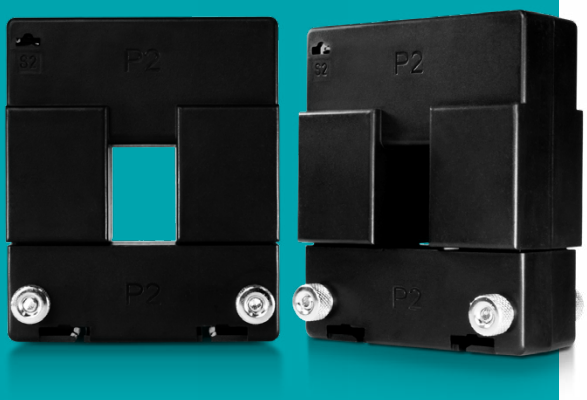


DATASHEET

AcuCT 5A Series

AcuCT-0812

5A Split-Core Current Transformer Datasheet



The AcuCT 5A Series is a rugged, compact split-core current transformer designed with either 1A or 5A industrial output. Choose from multiple sizes & input ranges to adapt to a variety of special project requirements. The helpful split-core design is easy to install and does not require disconnection of cables or wires.

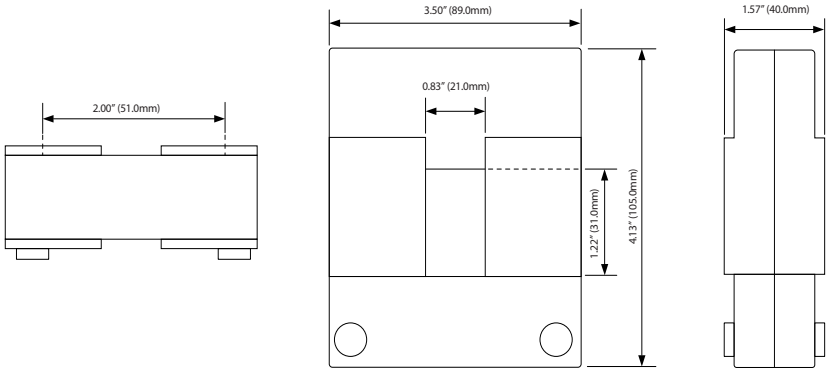
Features

- Revenue grade accuracy: 0.5% (from 5% - 120% of rated current)
- Choose from 1A or 5A industrial standard output
- Split-core design streamlines installation
- Included accessories provide multiple mounting options
- Optional 50 - 400 Hz models for aerospace, marine, and shipboard power systems with 0.5% accuracy
- UL Recognized

Specifications

RATED CURRENT	50A, 100A, 150A, 200A, 250A, 300A, 400A
Current Range	5% - 120% of Rated Current
Output	5A, 1A
Accuracy	0.5%
MECHANICAL/ENVIRONMENTAL	
Form Factor	Split-Core CT
Window Size	21.0mm x 31.0mm (0.83" x 1.22")
Exterior Dimensions	89.0mm x 105.0mm x 40.0mm 3.50" x 4.13" x 1.57"
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	1000mm (3.28ft), 16AWG UL 1015 Twisted Pair
Operating Temperature	-15°C to 60°C / 5°F to 140°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 (Standard) 50 - 400Hz (400 Hz Model Only)
Burden	2.5VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
SAFETY/COMPLIANCE	
Withstand Voltage	3.0KV / 1mA / 1min
Rated Voltage	600VAC
Certifications	CE, RoHS, cURus (E359521), CSA C22.2, UL 61010-1

Dimensions

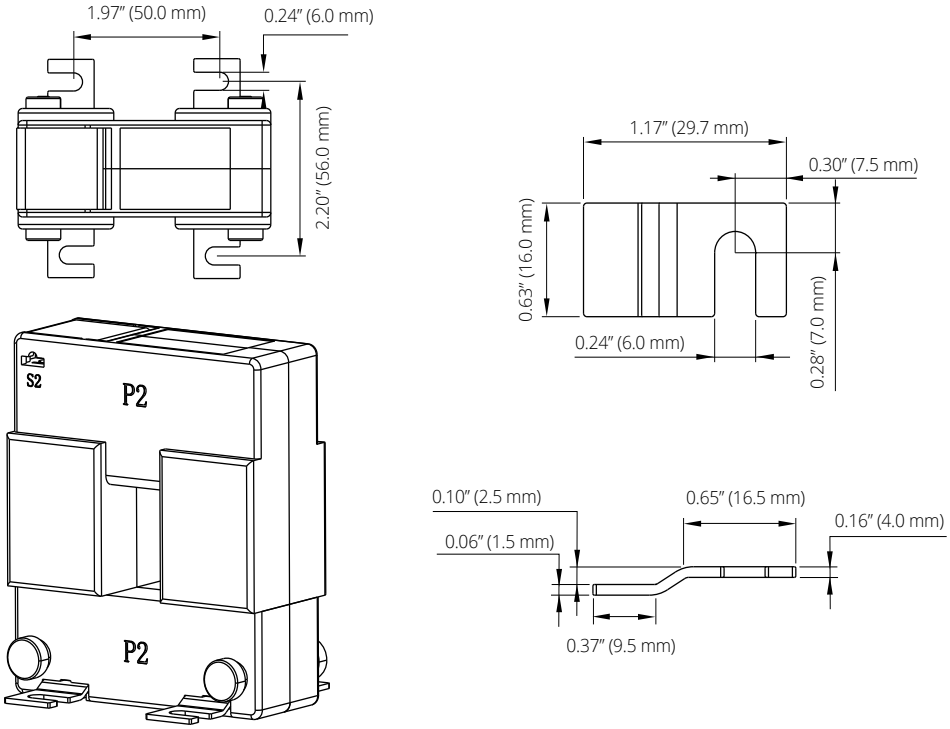


Typical Parameters

MODEL	CURRENT RATIO	FREQUENCY	ACCURACY	BURDEN	LEAD LENGTH
AcuCT-0812-50: 1A	50/1A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-100: 1A	100/1A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-150: 1A	150/1A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-200: 1A	200/1A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-250: 1A	250/1A	50/60Hz	0.50%	2.5VA	1m
AcuCT-0812-300: 1A	300/1A	50/60Hz	0.50%	2.5VA	1m
AcuCT-0812-400: 1A	400/1A	50/60Hz	0.50%	2.5VA	1m
AcuCT-0812-50: 5A	50/5A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-100: 5A	100/5A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-150: 5A	150/5A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-200: 5A	200/5A	50/60Hz	1.00%	2.5VA	1m
AcuCT-0812-250: 5A	250/5A	50/60Hz	0.50%	2.5VA	1m
AcuCT-0812-300: 5A	300/5A	50/60Hz	0.50%	2.5VA	1m
AcuCT-0812-400: 5A	400/5A	50/60Hz	0.50%	2.5VA	1m

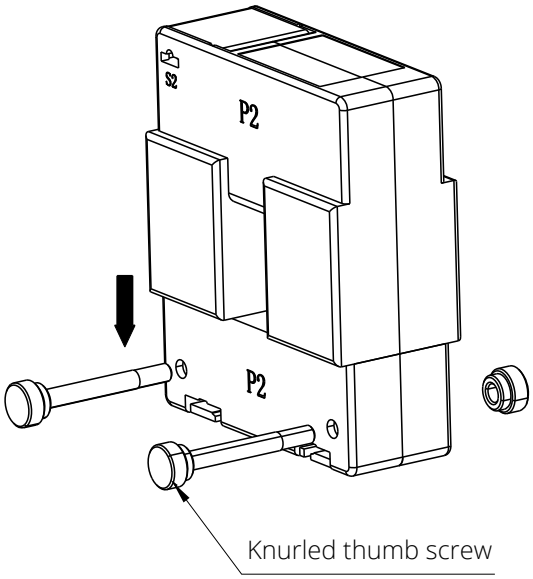
Mounting Brackets Accessory (Included)

Mounting accessories are included with the AcuCT 5A series. Each mounting kit includes 4 mounting brackets, with a single M6 U-shaped slot per bracket.

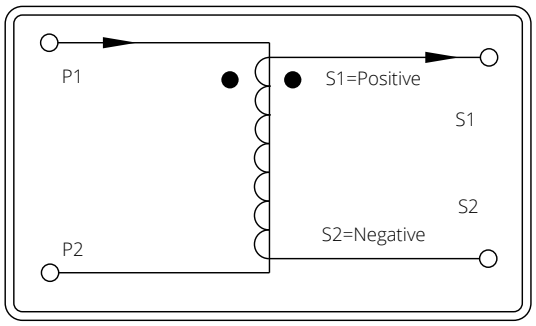


Installation Instructions

1. Loosen the knurled thumb screw of the CT, separate the CT in the direction of the arrow, install the CT over the primary conductor, then tighten the screw to complete installation. The design of the knurled thumb screw enables quick installation without the need for tools.



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



Ordering Information

	Model	-	*Rated Input*	:	*Rated Output*	-	*Frequency*
	AcuCT-0812		50: 50A		5: 5A		Blank: 50/60Hz
			100:100A		1: 1A		400: 50-400Hz
			150: 150A				
			200: 200A				
			250: 250A				
			300: 300A				
			400: 400A				
Ordering Example	**AcuCT-0812**	**-**	**50**	**:**	**1A**		
	AcuCT-0812	**-**	**200**	**:**	**5A**	**-**	**400**

+ Accessory (Included)

Model	*Accessory*
ACUBRAC	SP1
Ordering Example	**ACUBRAC - SP1**

Accuenergy Inc.

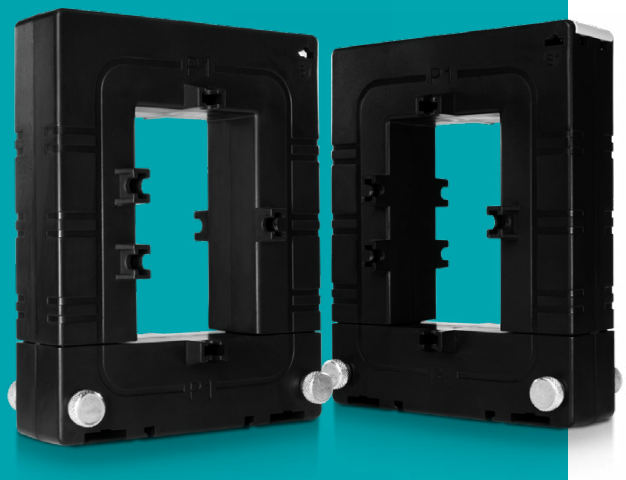
Telephone: 1-800-794-5883
Web: www.mod-tronic.com
Email: sales@mod-tronic.com

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

AcuCT 5A Series

AcuCT-2031

5A Split-Core Current Transformer Datasheet



The AcuCT 5A Series is a rugged, compact split-core current transformer designed with either 1A or 5A industrial output. Choose from multiple sizes & input ranges to adapt to a variety of special project requirements. The helpful split-core design is easy to install and does not require disconnection of cables or wires.

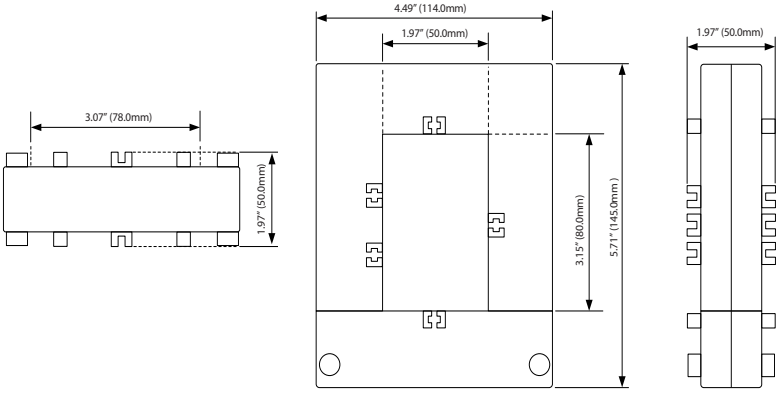
Features

- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from 1A or 5A industrial standard output
- Split-core design streamlines installation
- Included accessories provide multiple mounting options
- Optional 50 - 400 Hz models for aerospace, marine, and shipboard power systems with IEC 61869-2 Class 0.5 accuracy
- UL Recognized

Specifications

RATED CURRENT	250A, 400A, 500A, 600A, 800A, 1000A
Current Range	5% - 120% of Rated Current
Output	5A, 1A
Accuracy	IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL	
Form Factor	Split-Core CT
Window Size	50.0mm x 80.0mm (1.97" x 3.15")
Exterior Dimensions	114.0mm x 145.0mm x 50.0mm 4.49" x 5.71" x 1.97"
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	1000mm (3.28ft), 16AWG UL 1015 Twisted Pair
Operating Temperature	-15°C to 60°C / 5°F to 140°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 (Standard) 50 - 400Hz (400 Hz Model Only)
Burden	2.5VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
SAFETY/COMPLIANCE	
Withstand Voltage	3.0KV / 1mA / 1min
Rated Voltage	600VAC
Certifications	CE, RoHS, cURus (E359521), IEC 61869-2, CSA C22.2, UL 61010-1

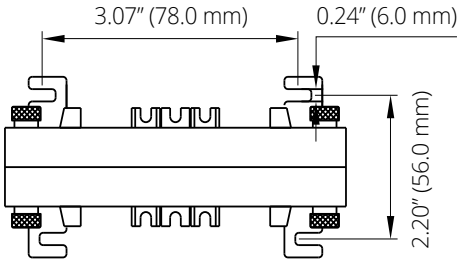
Dimensions

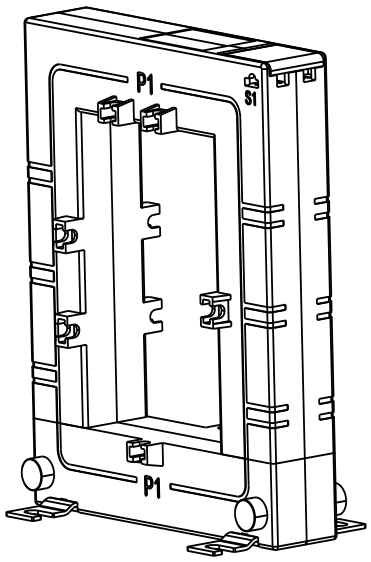


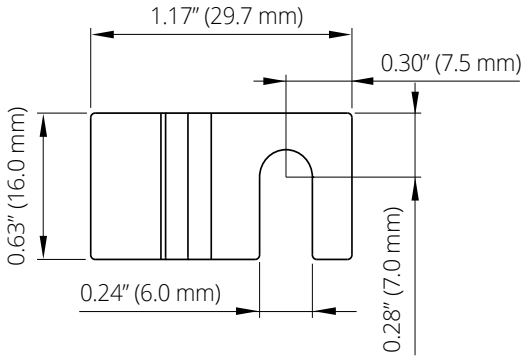
Typical Parameters					
MODEL	**CURRENT RATIO**	**FREQUENCY**	**ACCURACY**	**BURDEN**	**LEAD LENGTH**
AcuCT-2031-250: 1A	250/1A	50/60Hz	1.00%	2.5VA	1m
AcuCT-2031-400: 1A	400/1A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-500: 1A	500/1A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-600: 1A	600/1A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-800: 1A	800/1A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-1000: 1A	1000/1A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-250: 5A	250/5A	50/60Hz	1.00%	2.5VA	1m
AcuCT-2031-400: 5A	400/5A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-500: 5A	500/5A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-600: 5A	600/5A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-800: 5A	800/5A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m
AcuCT-2031-1000: 5A	1000/5A	50/60Hz	IEC 61869-2 Class 0.5	2.5VA	1m

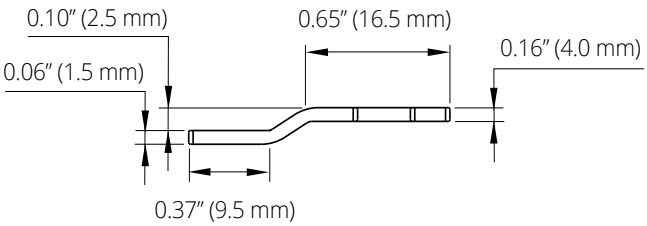
Mounting Brackets Accessory (Included)

Mounting accessories are included with the AcuCT 5A series. Each mounting kit includes 4 mounting brackets, with a single M6 U-shaped slot per bracket, four M5 × 60 mm clamping screws, and four nuts.



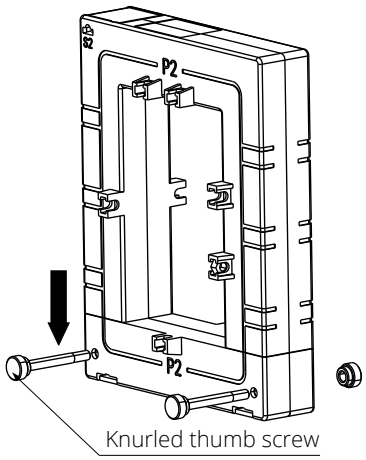




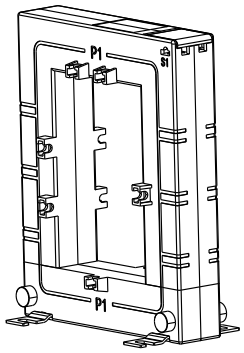


Installation Instructions

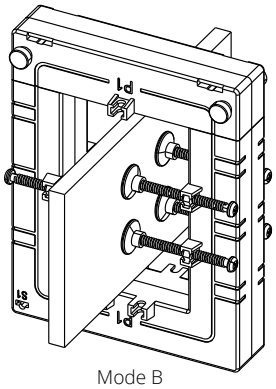
1. Loosen the knurled thumb screw of the CT, separate the CT in the direction of the arrow, install the CT over the primary conductor, then tighten the screw to complete installation.
   The design of the knurled thumb screw enables quick installation without the need for tools.



2. Two installation methods are available as options:
   A: Fix by using the plug-in mounting brackets to extend the mounting dimensions.
   B: Directly fix onto the busbar using mounting studs.

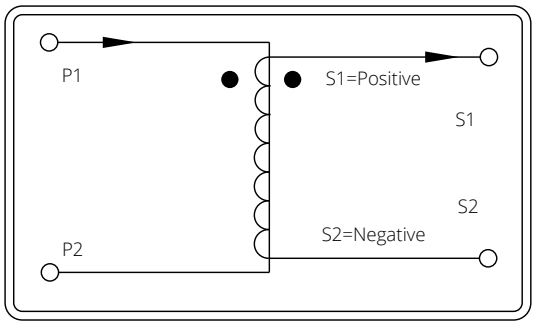


Mode A



Mode B

3. The primary conductor cable/busbar is threaded into the CT from side P1, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

	Model	-	Rated Input	:	Rated Output	-	Frequency
	AcuCT-2031		250: 250A		5: 5A		Blank: 50/60Hz
			400:400A		1: 1A		400: 50-400Hz
			600: 600A				
			800: 800A				
			1000: 1000A				
Ordering Example	**AcuCT-2031**	**-**	**250**	**:**	**1A**		
	AcuCT-2031	**-**	**600**	**:**	**5A**	**-**	**400**

\+ **Accessory (Included)**

Model	Accessory
ACUBRAC	SP2
Ordering Example	**ACUBRAC - SP2**

Accuenergy Inc.

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

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

AcuCT 5A Series

AcuCT-3147

5A Split-Core Current Transformer Datasheet



The AcuCT 5A Series is a rugged, compact split-core current transformer designed with either 1A or 5A industrial output. Choose from multiple sizes & input ranges to adapt to a variety of special project requirements. The helpful split-core design is easy to install and does not require disconnection of cables or wires.

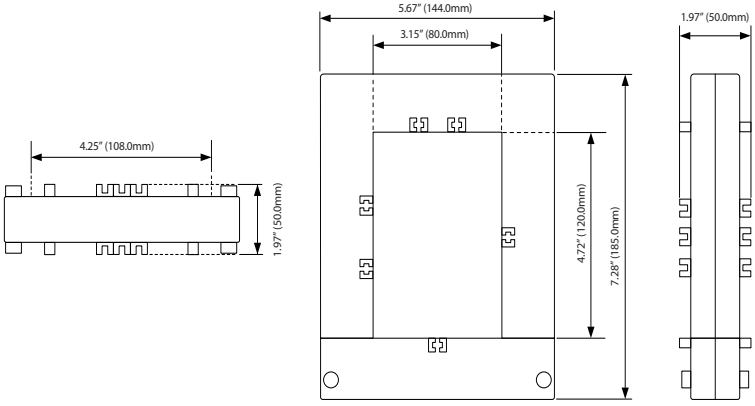
Features

- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from 1A or 5A industrial standard output
- Split-core design streamlines installation
- Included accessories provide multiple mounting options
- Optional 50 - 400 Hz models for aerospace, marine, and shipboard power systems with IEC 61869-2 Class 0.5 accuracy
- UL Recognized

Specifications

RATED CURRENT	1000A, 1200A, 1600A
Current Range	5% - 120% of Rated Current
Output	5A, 1A
Accuracy	IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL	
Form Factor	Split-Core CT
Window Size	80.0mm x 120.0mm (3.15" x 4.72")
Exterior Dimensions	144.0mm x 185.0mm x 50.0mm 5.67" x 7.28" x 1.97"
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	1000mm (3.28ft), 16AWG UL 1015 Twisted Pair
Operating Temperature	-15°C to 60°C / 5°F to 140°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 (Standard) 50 - 400Hz (400 Hz Model Only)
Burden	5VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
SAFETY/COMPLIANCE	
Withstand Voltage	3.0KV / 1mA / 1min
Rated Voltage	600VAC
Certifications	CE, RoHS, cURus (E359521), IEC 61869-2, CSA C22.2, UL 61010-1

Dimensions

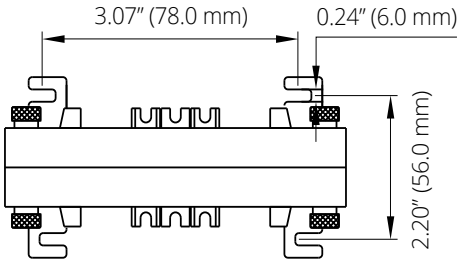


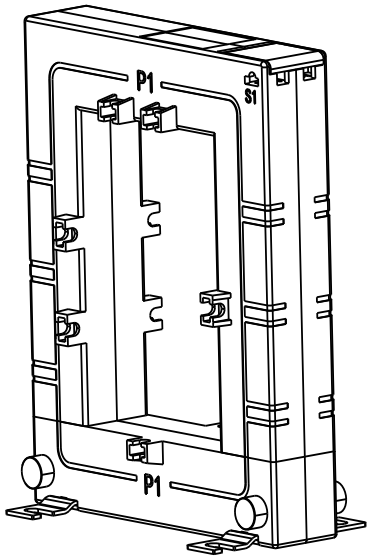
Typical Parameters

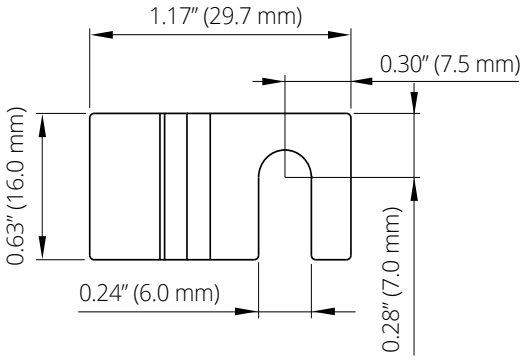
MODEL	CURRENT RATIO	FREQUENCY	ACCURACY	BURDEN	LEAD LENGTH
AcuCT-3147-1000: 1A	1000/ 1A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m
AcuCT-3147-1200: 1A	1200/ 1A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m
AcuCT-3147-1600: 1A	1600/ 1A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m
AcuCT-3147-1000: 5A	1000/ 5A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m
AcuCT-3147-1200: 5A	1200/ 5A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m
AcuCT-3147-1600: 5A	1600/ 5A	50/60Hz	IEC 61869-2 Class 0.5	5VA	1m

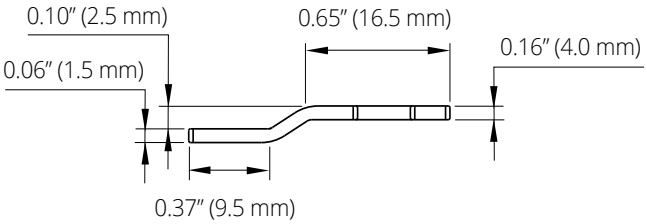
Mounting Brackets Accessory (Included)

Mounting accessories are included with the AcuCT 5A series. Each mounting kit includes 4 mounting brackets, with a single M6 U-shaped slot per bracket, four M5 × 60 mm clamping screws, and four nuts.





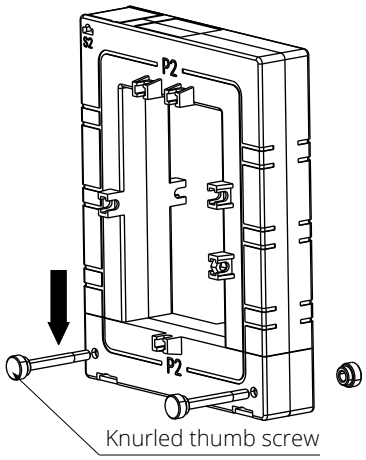




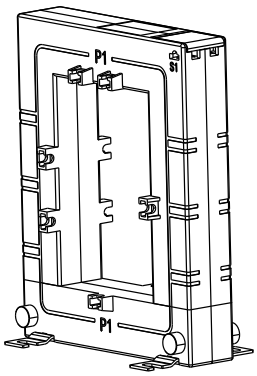
Installation Instructions

1. Loosen the knurled thumb screw of the CT, separate the CT in the direction of the arrow, install the CT over the primary conductor, then tighten the screw to complete installation.
   The design of the knurled thumb screw enables quick installation without the need for tools.

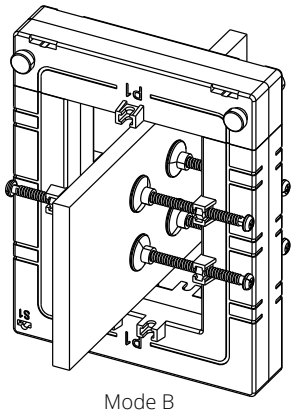
.



2. Two installation methods are available as options:
   A: Fix by using the plug-in mounting brackets to extend the mounting dimensions.
   B: Directly fix onto the busbar using mounting studs.

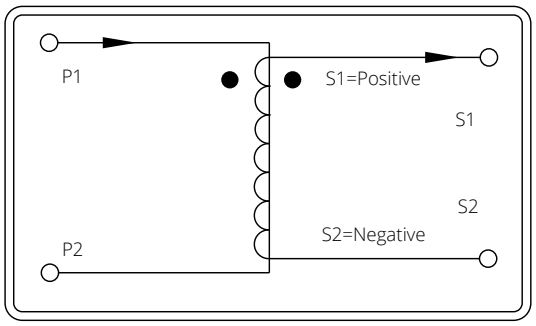


Mode A



Mode B

3. The primary conductor cable/busbar is threaded into the CT from side P1, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

	Model	-	Rated Input	:	Rated Output	-	Frequency
	AcuCT-3147		1000: 1000A		5: 5A		Blank: 50/60Hz
			1200:1200A		1: 1A		400: 50-400Hz
			1600: 1600A				
Ordering Example	**AcuCT-3147**	**-**	**1000**	**:**	**1A**		
	AcuCT-3147	**-**	**1600**	**:**	**5A**	**-**	**400**

+ Accessory (Included)

Model	Accessory
ACUBRAC	SP2
Ordering Example	**ACUBRAC - SP2**

Accuenergy Inc.

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

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

AcuCT 5A Series

AcuCT-3163

5A Split-Core Current Transformer Datasheet



The AcuCT 5A Series is a rugged, compact split-core current transformer designed with either 1A or 5A industrial output. Choose from multiple sizes & input ranges to adapt to a variety of special project requirements. The helpful split-core design is easy to install and does not require disconnection of cables or wires.

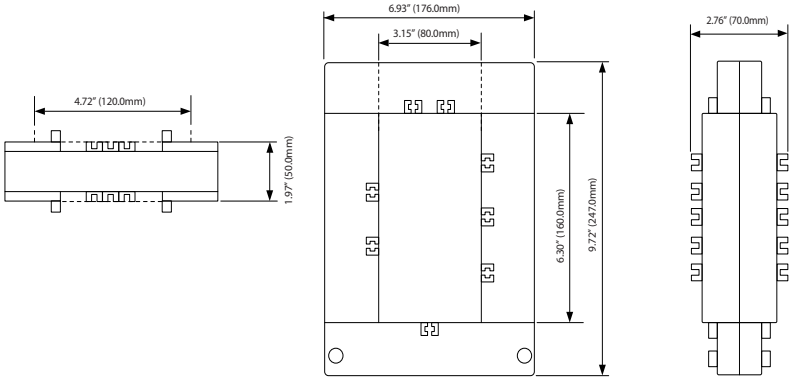
Features

- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from 1A or 5A industrial standard output
- Split-core design streamlines installation
- Included accessories provide multiple mounting options
- Optional 50 - 400 Hz models for aerospace, marine, and shipboard power systems with IEC 61869-2 Class 0.5 accuracy
- UL Recognized

Specifications

RATED CURRENT	2000A, 2500A, 3000A, 4000A, 5000A
Current Range	5% - 120% of Rated Current
Output	5A, 1A
Accuracy	IEC 61869-2 Class 0.5
MECHANICAL/ENVIRONMENTAL	
Form Factor	Split-Core CT
Window Size	80.0mm x 160.0mm (3.15" x 6.30")
Exterior Dimensions	176.0mm x 247.0mm x 70.0mm 6.93" x 9.72" x 2.76"
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	1000mm (3.28ft), 16AWG UL 1015 Twisted Pair
Operating Temperature	-15°C to 60°C / 5°F to 140°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 (Standard) 50 - 400Hz (400 Hz Model Only)
Burden	10VA
Rated Continuous Thermal Current (I_{cth})	120% of Rated Current
SAFETY/COMPLIANCE	
Withstand Voltage	3.0KV / 1mA / 1min
Rated Voltage	600VAC
Certifications	CE, RoHS, cURus (E359521), IEC 61869-2, CSA C22.2, UL 61010-1

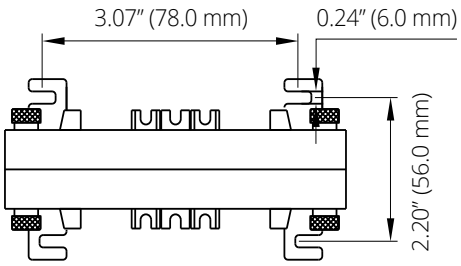
Dimensions

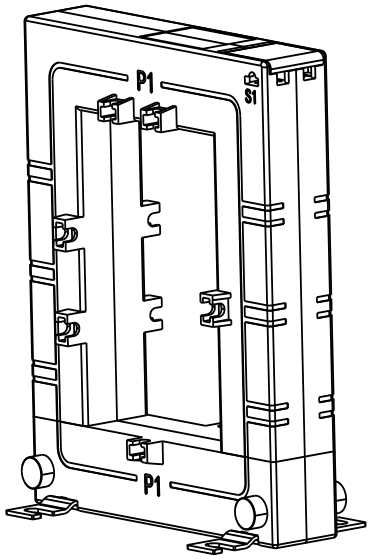


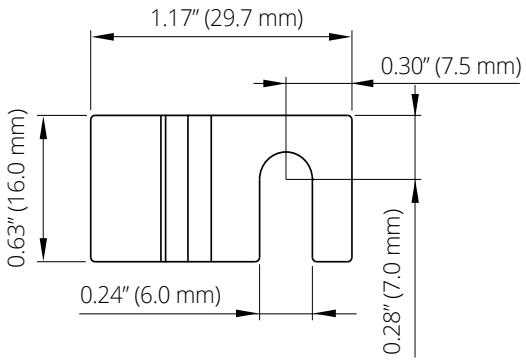
Typical Parameters					
MODEL	**CURRENT RATIO**	**FREQUENCY**	**ACCURACY**	**BURDEN**	**LEAD LENGTH**
AcuCT-3163-2000: 1A	2000/1A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-2500: 1A	2500/1A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-3000: 1A	3000/1A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-4000: 1A	4000/1A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-5000: 1A	5000/1A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-2000: 5A	2000/5A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-2500: 5A	2500/5A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-3000: 5A	3000/5A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-4000: 5A	4000/5A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m
AcuCT-3163-5000: 5A	5000/5A	50/60Hz	IEC 61869-2 Class 0.5	10VA	1m

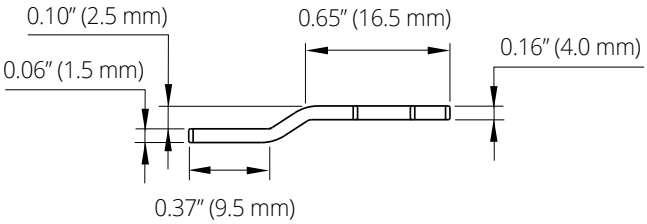
Mounting Brackets Accessory (Included)

Mounting accessories are included with the AcuCT 5A series. Each mounting kit includes 4 mounting brackets, with a single M6 U-shaped slot per bracket, six M5 × 60 mm clamping screws, and six nuts.



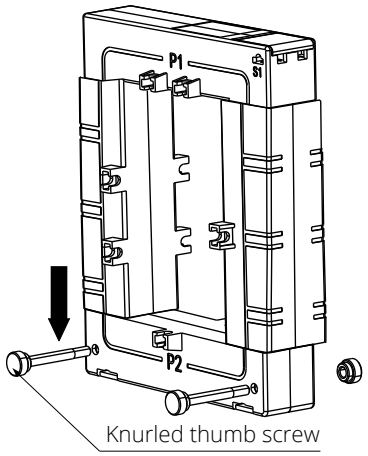




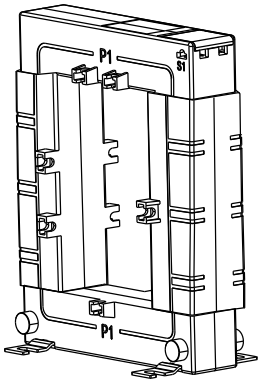


Installation Instructions

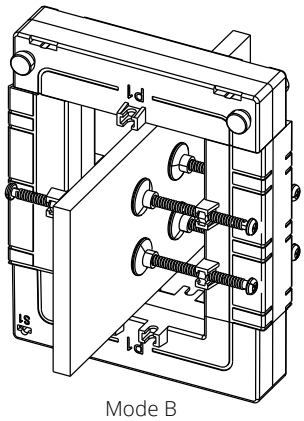
1. Loosen the knurled thumb screw of the CT, separate the CT in the direction of the arrow, install the CT over the primary conductor, then tighten the screw to complete installation.
   The design of the knurled thumb screw enables quick installation without the need for tools.



2. Two installation methods are available as options:
   A: Fix by using the plug-in mounting brackets to extend the mounting dimensions.
   B: Directly fix onto the busbar using mounting studs.

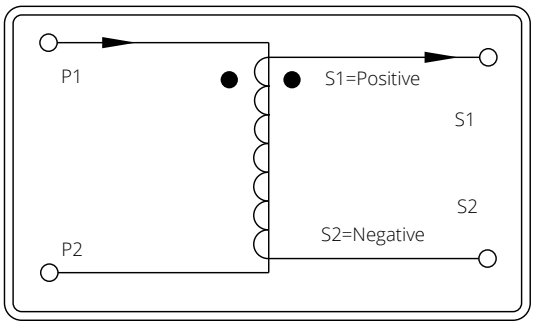


Mode A



Mode B

3. The primary conductor cable/busbar is threaded into the CT from side P1, with the white wire being positive lead and the black wire being negative lead.



Ordering Information

	Model	-	Rated Input	:	Rated Output	-	Frequency
	AcuCT-3163		2000: 2000A		5: 5A		Blank: 50/60Hz
			2500:2500A		1: 1A		400: 50-400Hz
			3000: 3000A				
			4000: 4000A				
			5000: 5000A				
Ordering Example	**AcuCT-3163**	**-**	**2000**	**:**	**1A**		
	AcuCT-3163	**-**	**2500**	**:**	**5A**	**-**	**400**

+ Accessory (Included)

Model	Accessory
ACUBRAC	SP3
Ordering Example	**ACUBRAC - SP3**

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