ACCUENERGY

# AcuCT Hinged Series

Compact Split-Core Current Transformer



DATASHEET

# AcuCT Hinged Series

## AcuCT-H040

Compact Split-Core Current Transformer
Datasheet



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

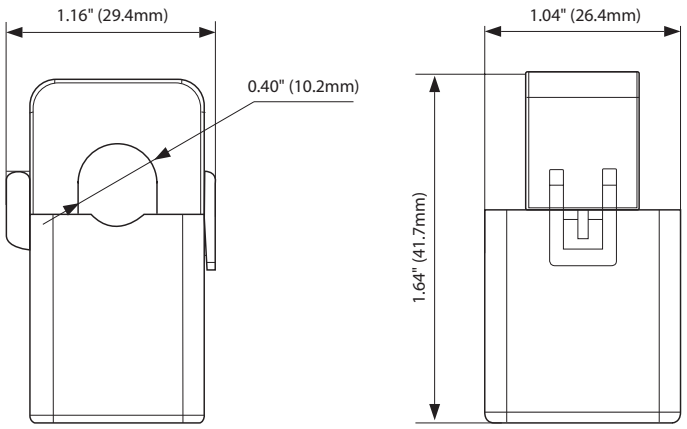
### Features

- High accuracy: 0.5%
- Features an inherently safe, 333mV output
- Quick installation facilitated due to hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized

## Specifications

| | |
|---|---|
| **RATED CURRENT** | 1A, 5A, 10A, 15A, 20A, 30A, 40A, 50A, 60A |
| Current Range | 10% - 120% of Rated Current |
| Output | 333mV |
| Accuracy | 0.5% |
| **MECHANICAL/ENVIRONMENTAL** | |
| Form Factor | Hinged Split-Core CT |
| Window Size | 10.2mm (0.40") |
| Exterior Dimensions | 29.4mm x 26.4mm x 41.7mm<br>1.16" x 1.04" x 1.64" |
| Case Material | Black Nylon, UL 94V-0 |
| Lead Wires | 2.5m (8ft) Twisted Pair, 22AWG |
| Operating Temperature | -25°C to 70°C / -13°F to 158°F |
| Operating Humidity | Non-Condensing, 0 to 95% RH |
| Installation Conditions | Indoor Use |
| **ELECTRICAL** | |
| Wire Polarity | White=Positive, Black=Negative |
| Phase Orientation | Arrow Points Towards Load |
| Frequency Range | 50-1KHz (50-400Hz) |
| **SAFETY/COMPLIANCE** | |
| Withstand Voltage | 3.0KV / 1mA / 1min |
| Rated Voltage | 600VAC |
| Certifications & Compliance | CE, RoHS, cURus (E359521) |

## Dimensions



## Typical Parameter

| MODEL | CURRENT RATIO | ACCURACY CLASS | LEAD LENGTH |
|---|---|---|---|
| AcuCT-H040-1: 333mV | 1/333mV | 1% | 2.5m |
| AcuCT-H040-5: 333mV | 5/333mV | 1% | 2.5m |
| AcuCT-H040-10: 333mV | 10/333mV | 0.50% | 2.5m |
| AcuCT-H040-15: 333mV | 15/333mV | 0.50% | 2.5m |
| AcuCT-H040-20: 333mV | 20/333mV | 0.50% | 2.5m |
| AcuCT-H040-30: 333mV | 30/333mV | 0.50% | 2.5m |
| AcuCT-H040-40: 333mV | 40/333mV | 0.50% | 2.5m |
| AcuCT-H040-50: 333mV | 50/333mV | 0.50% | 2.5m |
| AcuCT-H040-60: 333mV | 60/333mV | 0.50% | 2.5m |

## Ordering Information

| | *Model* | - | *Rated Input* | : | *Rated Output* |
|---|---|---|---|---|---|
| | AcuCT-H040 | | 1: 1A | | 333mV |
| | | | 5: 5A | | |
| | | | 10: 10A | | |
| | | | 15: 15A | | |
| | | | 20: 20A | | |
| | | | 30: 30A | | |
| | | | 40: 40A | | |
| | | | 50: 50A | | |
| | | | 60: 60A | | |
| **Ordering Example** | **AcuCT-H040** | **-** | **20** | **:** | **333mV** |

**Accuenergy Inc.**

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

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# AcuCT Hinged Series

## AcuCT-H063

Compact Split-Core Current Transformer
Datasheet



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

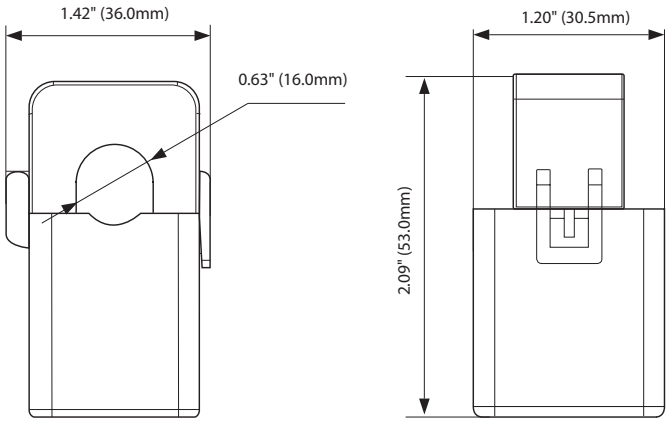
### Features

- High accuracy: 0.5%
- Features an inherently safe, 333mV output
- Quick installation facilitated by hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized

## Specifications

| | |
|---|---|
| **RATED CURRENT** | 5A, 30A, 50A, 75A, 100A, 150A |
| Current Range | 10% - 120% of Rated Current |
| Output | 333mV |
| Accuracy | 0.5% |
| **MECHANICAL/ENVIRONMENTAL** | |
| Form Factor | Hinged Split-Core CT |
| Window Size | 16.0mm (0.63") |
| Exterior Dimensions | 36.0mm x 30.5mm x 53.0mm<br>1.42" x 1.20" x 2.09" |
| Case Material | Black Nylon, UL 94V-0 |
| Lead Wires | 2.5m (8ft) Twisted Pair, 22AWG |
| Operating Temperature | -25°C to 70°C / -13°F to 158°F |
| Operating Humidity | Non-Condensing, 0 to 95% RH |
| Installation Conditions | Indoor Use |
| **ELECTRICAL** | |
| Wire Polarity | White=Positive, Black=Negative |
| Phase Orientation | Arrow Points Towards Load |
| Frequency Range | 50-1KHz (50-400Hz) |
| **SAFETY/COMPLIANCE** | |
| Withstand Voltage | 3.0KV / 1mA / 1min |
| Rated Voltage | 600VAC |
| Certifications & Compliance | CE, RoHS, cURus (E359521) |

## Dimensions



## Typical Parameter

| MODEL | CURRENT RATIO | ACCURACY CLASS | LEAD LENGTH |
|---|---|---|---|
| AcuCT-H063-5: 333mV | 5/333mV | 0.50% | 2.5m |
| AcuCT-H063-30: 333mV | 30/333mV | 0.50% | 2.5m |
| AcuCT-H063-50: 333mV | 50/333mV | 0.50% | 2.5m |
| AcuCT-H063-75: 333mV | 75/333mV | 0.50% | 2.5m |
| AcuCT-H063-100: 333mV | 100/333mV | 0.50% | 2.5m |
| AcuCT-H063-150: 333mV | 150/333mV | 0.50% | 2.5m |

## Ordering Information

| | *Model* | - | *Rated Input* | : | *Rated Output* |
|---|---|---|---|---|---|
| | AcuCT-H063 | | 5: 5A | | 333mV |
| | | | 30: 30A | | |
| | | | 50: 50A | | |
| | | | 75: 75A | | |
| | | | 100: 100A | | |
| | | | 150: 150A | | |
| **Ordering Example** | **AcuCT-H063** | **-** | **50** | **:** | **333mV** |

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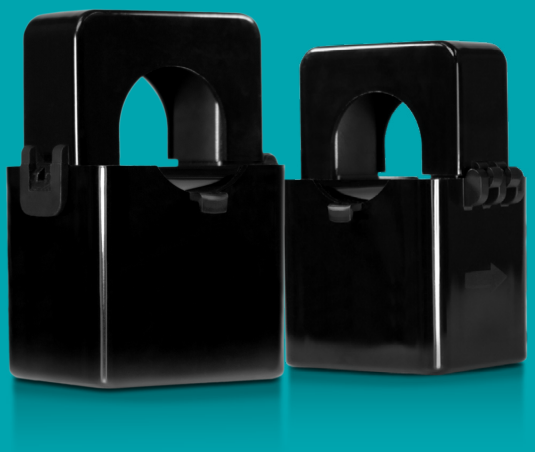
Telephone: 1-800-794-5883
Web: www.mod-tronic.com
Email: sales@mod-tronic.com

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*Specs Subject To Change Without Notice.*

# AcuCT Hinged Series

## AcuCT-H100

Compact Split-Core Current Transformer Datasheet



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

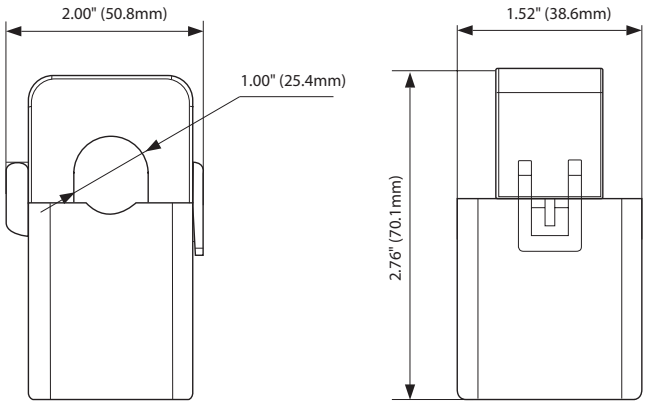
### Features

- High accuracy: Compliant with IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Features an inherently safe 333mV output
- Quick installation facilitated due to hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized

## Specifications

| | |
|---|---|
| **RATED CURRENT** | 10A, 20A, 30A, 50A, 60A,100A, 120A, 150A, 200A, 250A |
| Current Range | 5% - 120% of Rated Current |
| Output | 333mV |
| Accuracy | IEC 61869-2 Class 0.5 |
| **MECHANICAL/ENVIRONMENTAL** | |
| Form Factor | Hinged Split-Core CT |
| Window Size | 25.4mm (1.00") |
| Exterior Dimensions | 50.8mm x 38.6mm x 70.1mm<br>2.00" x 1.52" x 2.76" |
| Case Material | Black Nylon, UL 94V-0 |
| Lead Wires | 2.5m (8ft) Twisted Pair, 22AWG |
| Operating Temperature | -25°C to 70°C / -13°F to 158°F |
| Operating Humidity | Non-Condensing, 0 to 95% RH |
| Installation Conditions | Indoor Use |
| **ELECTRICAL** | |
| Wire Polarity | White=Positive, Black=Negative |
| Phase Orientation | Arrow Points Towards Load |
| Frequency Range | 50-1KHz (50-400Hz) |
| **SAFETY/COMPLIANCE** | |
| Withstand Voltage | 3.0KV / 1mA / 1min |
| Rated Voltage | 600VAC |
| Certifications & Compliance | CE, RoHS, cURus (E359521), IEC 61869-2 |

## Dimensions



## Typical Parameter

| MODEL | CURRENT RATIO | ACCURACY CLASS | LEAD LENGTH |
|---|---|---|---|
| AcuCT-H100-10: 333mV | 10/333mV | 0.50% | 2.5m |
| AcuCT-H100-20: 333mV | 20/333mV | 0.50% | 2.5m |
| AcuCT-H100-30: 333mV | 30/333mV | 0.50% | 2.5m |
| AcuCT-H100-50: 333mV | 50/333mV | 0.50% | 2.5m |
| AcuCT-H100-60: 333mV | 60/333mV | 0.50% | 2.5m |
| AcuCT-H100-100: 333mV | 100/333mV | 0.50% | 2.5m |
| AcuCT-H100-120: 333mV | 120/333mV | 0.50% | 2.5m |
| AcuCT-H100-150: 333mV | 150/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H100-200: 333mV | 200/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H100-250: 333mV | 250/333mV | IEC 61869-2 Class 0.5 | 2.5m |

## Ordering Information

| | *Model* | - | *Rated Input* | : | *Rated Output* |
|---|---|---|---|---|---|
| | AcuCT-H100 | | 10: 10A | | 333mV |
| | | | 20: 20A | | |
| | | | 30: 30A | | |
| | | | 50: 50A | | |
| | | | 60: 60A | | |
| | | | 100: 100A | | |
| | | | 120: 120A | | |
| | | | 200: 200A | | |
| | | | 250: 250A | | |
| **Ordering Example** | **AcuCT-H100** | **-** | **120** | **:** | **333mV** |

**Accuenergy Inc.**

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

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# AcuCT Hinged Series

## AcuCT-H138

Compact Split-Core Current Transformer
Datasheet



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

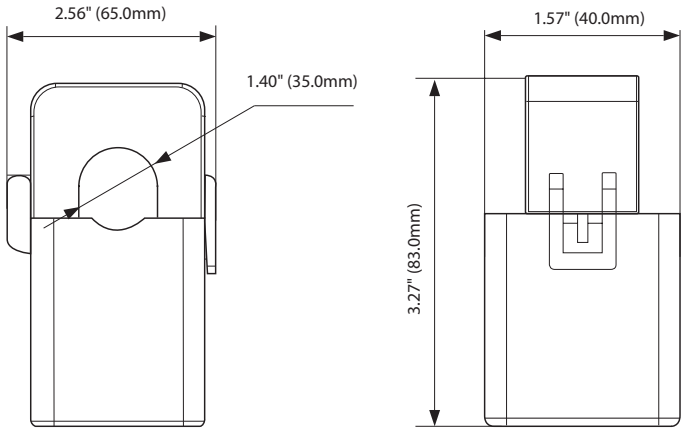
### Features

- High accuracy: Compliant with IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Features an inherently safe 333mV output
- Quick installation facilitated due to hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized

## Specifications

| | |
|---|---|
| **RATED CURRENT** | 200A, 250A, 300A, 400A, 500A, 600A |
| Current Range | 5% - 120% of Rated Current |
| Output | 333mV |
| Accuracy | IEC 61869-2 Class 0.5 |
| **MECHANICAL/ENVIRONMENTAL** | |
| Form Factor | Hinged Split-Core CT |
| Window Size | 35.0mm (1.40") |
| Exterior Dimensions | 65.00mm x 40.00mm x 83.00mm<br>2.56" x 1.57" x 3.27" |
| Case Material | Black Nylon, UL 94V-0 |
| Lead Wires | 2.5m (8ft) Twisted Pair, 22AWG |
| Operating Temperature | -25°C to 70°C / -13°F to 158°F |
| Operating Humidity | Non-Condensing, 0 to 95% RH |
| Installation Conditions | Indoor Use |
| **ELECTRICAL** | |
| Wire Polarity | White=Positive, Black=Negative |
| Phase Orientation | Arrow Points Towards Load |
| Frequency Range | 50-1KHz (50-400Hz) |
| **SAFETY/COMPLIANCE** | |
| Withstand Voltage | 3.0KV / 1mA / 1min |
| Rated Voltage | 600VAC |
| Certifications & Compliance | CE, RoHS, cURus (E359521), IEC 61869-2 |

## Dimensions



## Typical Parameter

| MODEL | CURRENT RATIO | ACCURACY CLASS | LEAD LENGTH |
|---|---|---|---|
| AcuCT-H138-200: 333mV | 200/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H138-250: 333mV | 250/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H138-300: 333mV | 300/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H138-400: 333mV | 400/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H138-500: 333mV | 500/333mV | IEC 61869-2 Class 0.5 | 2.5m |
| AcuCT-H138-600: 333mV | 600/333mV | IEC 61869-2 Class 0.5 | 2.5m |

## Ordering Information

| | *Model* | - | *Rated Input* | : | *Rated Output* |
|---|---|---|---|---|---|
| | AcuCT-H138 | | 200: 200A | | 333mV |
| | | | 250: 250A | | |
| | | | 300: 300A | | |
| | | | 400: 400A | | |
| | | | 500: 500A | | |
| | | | 600: 600A | | |
| **Ordering Example** | **AcuCT-H138** | **-** | **200** | **:** | **333mV** |

MOD-TRONIC INSTRUMENTS LIMITED

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

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