

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

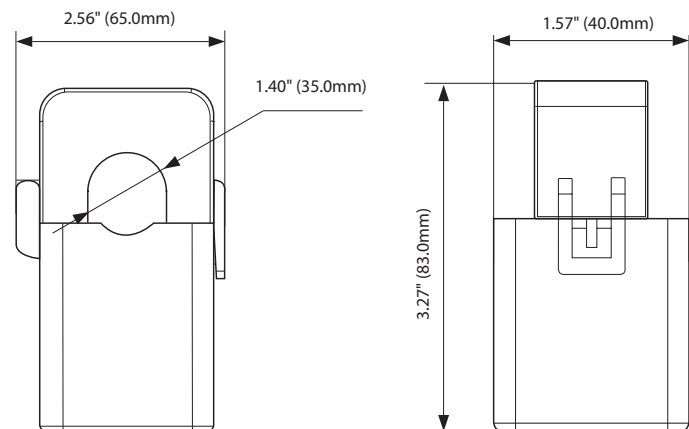
- High accuracy: Compliant with IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Features an inherently safe 333mV output
- Quick installation facilitated due to hinged split-core design
- Compact design is ideal for electrical panels with limited space
- UL Recognized



Specifications

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

| <i>Model</i> | - | <i>Rated Input</i> | : | <i>Rated Output</i> |
|--------------|---|--------------------|---|---------------------|
| AcuCT-H138 | | 200: 200A | | 333mV |
| | | 250: 250A | | |
| | | 300: 300A | | |
| | | 400: 400A | | |
| | | 500: 500A | | |
| | | 600: 600A | | |

Ordering Example

AcuCT-H138 - 200 : 333mV



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Specs Subject To Change Without Notice.