

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

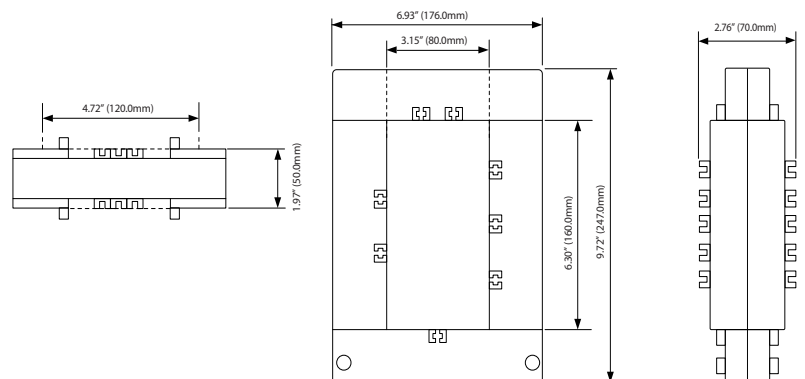
- Revenue grade accuracy: IEC 61869-2 Class 0.5 (from 5% - 120% of rated current)
- Choose from 1A or 5A industrial standard output
- Split-core design streamlines installation
- Included accessories provide multiple mounting options
- UL Recognized



Specifications

| RATED CURRENT | |
|---------------------------------|---|
| 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 - 400Hz |
| Burden | 10VA |
| SAFETY/COMPLIANCE | |
| Withstand Voltage | 3.0KV / 1mA / 1min |
| Rated Voltage | 600VAC |
| Certifications | CE, RoHS, cURus (E359521), IEC 61869-2 |

Dimensions



Typical Parameter

| MODEL | CURRENT RATIO | ACCURACY CLASS | BURDEN/ RESISTANCE | LEAD LENGTH |
|---------------------|---------------|-----------------------|--------------------|-------------|
| AcuCT-3163-2000: 1A | 2000/1A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-2500: 1A | 2500/1A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-3000: 1A | 3000/1A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-4000: 1A | 4000/1A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-5000: 1A | 5000/1A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-2000: 5A | 2000/5A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-2500: 5A | 2500/5A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-3000: 5A | 3000/5A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-4000: 5A | 4000/5A | IEC 61869-2 Class 0.5 | 10VA | 1m |
| AcuCT-3163-5000: 5A | 5000/5A | IEC 61869-2 Class 0.5 | 10VA | 1m |

Ordering Information

| <i>Model</i> | - | <i>Rated Input</i> | : | <i>Rated Output</i> |
|--------------|---|--------------------|---|---------------------|
| AcuCT-3163 | | 2000: 2000A | | 5: 5A |
| | | 2500: 2500A | | 1: 1A |
| | | 3000: 3000A | | |
| | | 4000: 4000A | | |
| | | 5000: 5000A | | |

| | | | | | |
|-------------------------|-------------------|----------|-------------|----------|-----------|
| Ordering Example | AcuCT-3163 | - | 2500 | : | 5A |
|-------------------------|-------------------|----------|-------------|----------|-----------|



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 Specs Subject To Change Without Notice.