AcuCT R Series
AcuCT-4161R
Revenue Grade Split-Core Current Transformer Datasheet

Specifications

**RATED CURRENT**

**Current Range**
- 5% - 120% of rated current

**Output**
- 5A, 1A, 80mA, 100mA, 200mA, 333mV

**Accuracy**
- IEC 61869-2 Class 0.5s

**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 enclosure rated to 135°C (275°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)@333mV; burden@80mA, 100mA, 200mA, 5A, 1A**
- 600A/333mV: 4.16Ω / 1200A/333mV: 2.08Ω
- 1600A/333mV: 1.56Ω / 2000A/333mV: 1.25Ω
- 3000A/333mV: 0.83Ω / 4000A/333mV: 0.625Ω
- 5000A/333mV: 0.5Ω / 80mA, 100mA, 200mA: 10Ω / 1A: 1VA / 5A: 5VA

**SAFETY/COMPLIANCE**

**Withstand Voltage**
- 5.0KV/1mA/1min

**Rated Voltage**
- 600VAC, Rated CAT III

**Certifications**
- CE, RoHS, UL Listed UL2808 (E469633) 61010-1 and CSA 22.2 IEEE 61869-2

Dimensions

- A: 7.30" (185.0mm)
- B: 9.30" (235.0mm)
- C: 1.80" (45.0mm)
- D: 4.10" (105.0mm)
- E: 6.10" (155.0mm)

Features
- Revenue grade accuracy: IEC 61869-2 Class 0.5s (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

Ordering Information

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Specs Subject To Change Without Notice