



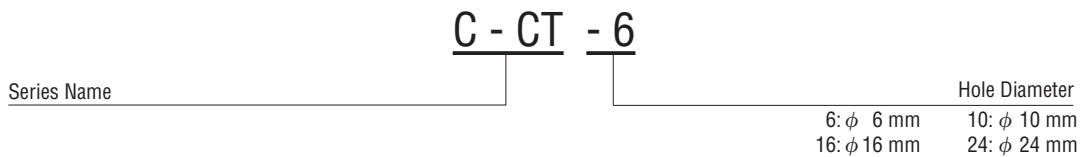
FEATURES

- Clamp-on type (split core design)
Easy installation to distribution panels
- Compact size and wide measuring range
- Outstanding output linearity at all current ranges
- Direct interface
- Overvoltage protection (zener diode)
- UL94 V-0 flame rating

APPLICATIONS

- To measure or monitor current or power consumption in smart energy systems such as:
 - HEMS (Home Energy Management System)
 - BEMS (Building Energy Management System)
 - Various power monitoring systems

PART NUMBER DESIGNATION



LIST OF MODEL NUMBER

| Part Number | Rated Primary Current | Max. Input Current | Output characteristic Example | Size and Weight |
|----------------|------------------------------|------------------------|--|--------------------------------------|
| C-CT-6 | AC 0.1 ~ 30 A (50/60 Hz) | AC 50 Arms continuous | AC 100 mV \pm 1 % (AC30 A RL=10 Ω 50/60 Hz) | 19.3×26.4×31 mm, Approx. 20 gs |
| C-CT-10 | AC 0.1 ~ 60 A (50/60 Hz) | AC 100 Arms continuous | AC 200 mV \pm 1 % (AC60 A RL=10 Ω 50/60 Hz) | 26.4×25.5×43.3 mm, Approx. 40 gs |
| C-CT-16 | AC 0.1 ~ 100 A (50/60 Hz) | AC 200 Arms continuous | AC 333 mV \pm 1 % (AC100 A RL=10 Ω 50/60 Hz) | 32.5×30.5×46.2 mm, Approx. 75 gs |
| C-CT-24 | AC 0.1 ~ 200 A (50/60 Hz) | AC 300 Arms continuous | AC 666 mV \pm 1 % (AC200 A RL=10 Ω 50/60 Hz) | 48.4×35.5×69.6 mm, Approx. 170 gs |

SPECIFICATIONS

| Part Number | C-CT-6 | C-CT-10 | C-CT-16 | C-CT-24 |
|----------------------------------|--|--|---|---|
| Rated Primary Current | AC 0.1 ~ 30 A (50/60 Hz) | AC 0.1 ~ 60 A (50/60 Hz) | AC 0.1 ~ 100 A (50/60 Hz) | AC 0.1 ~ 200 A (50/60 Hz) |
| Max. Input Current | AC 50 Arms continuous | AC 100 Arms continuous | AC 200 Arms continuous | AC 300 Arms continuous |
| Output characteristic Example | AC 100 mV±1 % (AC30 A RL=10 Ω 50/60 Hz) | AC 200 mV±1 % (AC60 A RL=10 Ω 50/60 Hz) | AC 333.3 mV±1 % (AC100 A RL=10 Ω 50/60 Hz) | AC 666.6 mV±1 % (AC200 A RL=10 Ω 50/60 Hz) |
| Phase Accuracy | +2.5°±0.5° (AC30 A RL=10 Ω 50 Hz) +2.1°±0.5° (AC30 A RL=10 Ω 60 Hz) | +1.6°±0.5° (AC60 A RL=10 Ω 50 Hz) +1.3°±0.5° (AC60 A RL=10 Ω 60 Hz) | +0.9°±0.5° (AC100 A RL=10 Ω 50/60 Hz) | +0.3°±0.5° (AC200 A RL=10 Ω 50/60 Hz) |
| Hole Diameter | φ 6 mm | φ 10 mm | φ 16 mm | φ 24 mm |
| Nominal Current Ratio | 3000 : 1 | | | |
| Applicable Frequency | 10 Hz~5 kHz | | | |
| Max. Circuit Voltage | Less than AC600 V (for insulated cable) | | | |
| Withstanding Voltage | AC 2200 V/1 minute (between output terminal and outer case) | | | |
| Insulation Resistance | More than 50 MΩ by 500 V insulation tester (between output terminal and outer case) | | | |
| Open Circuit Protection | 7.5 V (Zener diode) | | | |
| Operational Temperature | -20 ~ 60 °C, less than 80 %RH Without condensation | | | |
| Storage Temperature | -30 ~ 60 °C, less than 80 %RH Without condensation | | | |
| Flame Rating | UL94 V-0 | | | |
| Output Cable lead | AWG24 Approx. L=200 mm | AWG22 Approx. L=150 mm | | |
| Size and Weight | 19.3×26.4×31 mm Approx. 20 gs | 26.4×25.5×43.3 mm Approx. 40 gs | 32.5×30.5×46.2 mm Approx. 75 gs | 48.4×35.5×69.6 mm Approx. 170 gs |

PACKAGING SPECIFICATIONS

- Bulk Packing specifications
Individually packaged in a plastic bag (1pc per bag),
it can order from 1pc.

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