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EN: This Datasheet is presented by the manufacturer.

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DL-CT10C Series Current Transformer

Flame retardant properties: UL94-V0

Insulation resistance: Normal than 1000MΩ

Work voltage: 0.66/0.72kV

Compressive strength: 3kV/50Hz/1min

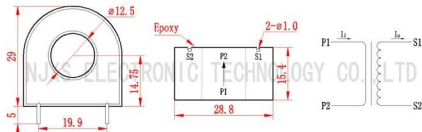
Work frequency: 50/60Hz

Operating temperature: -40°C~+85°C

Used for: Load current detection, Electric energy measurement, Microcomputer protection

Installation method: Busbar perforation, secondary lead-pin output.

Dimension (in mm):



Technical Data:

| | DL-CT10C1.0 | DL-CT10C2.0 | DL-CT10C2.5 | Unit |
|------------------------|---------------|----------------|-----------------|---------|
| Rated input | 50 | 50 | 50 | A (AC) |
| Rated output | 50 | 25 | 20 | mA (AC) |
| Rated sampling load | 20 | 200 | 250 | Ω |
| Rated sampling voltage | 1 | 5 | 5 | V (AC) |
| Turns ratio | 1000/1 | 2000/1 | 2500/1 | --- |
| Phase shift | ≤5 (50A, 0Ω) | ≤5 (50A, 0Ω) | ≤5 (50A, 0Ω) | |
| Accuracy | 0.1 | 0.1 | 0.1 | Level |
| Linearity | 0.1 | 0.1 | 0.1 | % |
| Measuring current | 0~50 (RL≤20Ω) | 0~100 (RL≤80Ω) | 0~125 (RL≤100Ω) | A (AC) |
| Maximum current | 0~80 (RL≤10Ω) | 0~150 (RL≤10Ω) | 0~200 (RL≤10Ω) | A (AC) |
| DCR | 49.5±5 | 103±10 | 125±15 | Ω |
| Weight | 22.7 | 25.8 | 27 | g |

| | DL-CT10C3.0 | DL-CT10C4.0 | DL-CT10C5.0 | Unit |
|------------------------|-----------------|-----------------|-----------------|---------|
| Rated input | 100 | 100 | 100 | A (AC) |
| Rated output | 33.33 | 25 | 20 | mA (AC) |
| Rated sampling load | 150 | 300 | 500 | Ω |
| Rated sampling voltage | 5 | 7.5 | 10 | V (AC) |
| Turns ratio | 3000/1 | 4000/1 | 5000/1 | --- |
| Phase shift | ≤5 (100A, 0Ω) | ≤5 (100A, 0Ω) | ≤5 (100A, 0Ω) | |
| Accuracy | 0.1 | 0.1 | 0.1 | Level |
| Linearity | 0.1 | 0.1 | 0.1 | % |
| Measuring current | 0~120 (RL≤120Ω) | 0~120 (RL≤250Ω) | 0~120 (RL≤400Ω) | A (AC) |
| Maximum current | 0~180 (RL≤10Ω) | 0~200 (RL≤10Ω) | 0~200 (RL≤10Ω) | A (AC) |
| DCR | 215±30 | 365±40 | 570±50 | Ω |
| Weight | 26 | 26.6 | 26.2 | g |

Note: Current transformers are prohibited to be used in open circuit, also can't be connected to fuse. Please connect the output of the transformer first, and then clamp the transformer on the bus under test.