# SACT251303-1600 Current Transformer

**1600A/5A | 5VA | Class 0.5**

This specification defines the electrical characteristics, dimensions, connection and construction requirements of the SACT251303-1600 (1600A/5A, 5VA, Class 0.5, 0.66kV) current transformer.

## Product overview

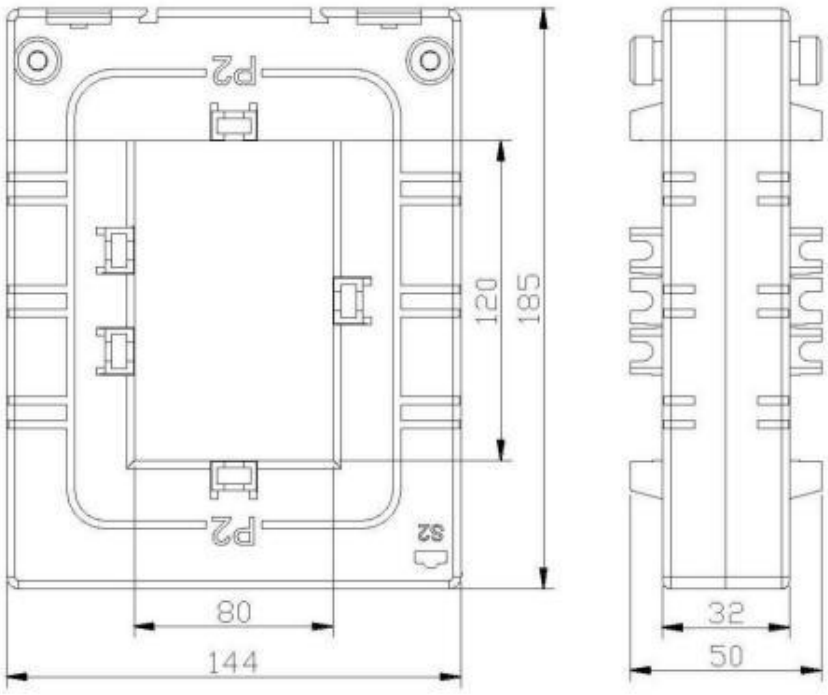
| Item | Specification |
|---|---|
| Product | Current transformer |
| Model | SACT251303-1600 |
| Rated current ratio | 1600A/5A |
| Rated burden | 5VA |
| Accuracy class | 0.5 |
| Rated voltage | 0.66kV |
| Rated frequency | 50Hz |
| Primary turns | 1 |
| Housing color | Yellow |
| Standard | GB/T 20840.2-2014 |
| Revision | A0 |
| Issue date | 2026-10-17 |

## Technical specifications

| Category | Parameter | Value |
|---|---|---|
| Electrical | Operating frequency | 50Hz |
| | Rated primary current | 1600A (RMS) |
| | Rated secondary current | 5A (RMS) |
| | Rated burden | 5VA |
| | Accuracy class | 0.5 |
| | Overload factor | 1.2 times |
| | Power-frequency withstand voltage | 3000V (RMS)（≤2mA·1min） |
| | Insulation resistance | 100MΩ / 500V DC / min |
| Environment | Operating temperature | -40°C ~ +70°C |
| | Storage temperature | -40°C ~ +85°C |
| | Relative humidity | ≤90% (non-condensing) |
| | Altitude | ≤3000m |
| Mechanical | Secondary output | Clamping terminals |
| | Housing | Flame-retardant UL94-V0 |
| | Color | Yellow |

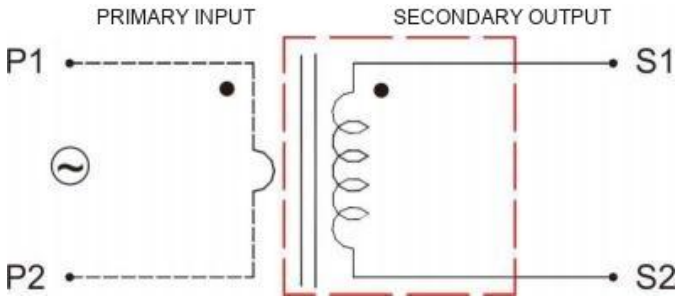
Other technical requirements shall comply with GB/T 20840.2-2014.

## Dimensions




Unit: mm | Unspecified tolerance: ±1mm | Housing color: yellow; secondary output: clamping terminals.

## Schematic diagram & winding sequence




Note: P1, P2 are the primary input side; S1, S2 are the secondary output side; P1 and S1 have the same polarity.

## Other requirements

1. Terminal marking: the primary through-hole shall be clearly marked with P1 and P2 near the specified position; the secondary terminals shall be marked S1 and S2.
2. Terminal sealing strength: after terminal assembly, apply a tightening torque of 8 kgf·cm; the terminal shall not shift relative to the housing.
3. Comply with RoHS.
4. Nameplate example (the date shall be the actual production date):

### Split-core CT

| | |
|---|---|
| SACT251303-1600 | 1600A/5A |
| Un:0.66kV 50Hz | Class 0.5 |
| Primary Turns:1 | 5VA |
| Date: 2026.09.15 | |