SACT251503-4000 Current Transformer

4000A/5A | 30VA | Class 0.5

This specification defines the electrical characteristics, dimensions, connection and construction requirements of the SACT251503-4000 (4000A/5A, 30VA, Class 0.5, 0.66kV) current transformer.

Product overview

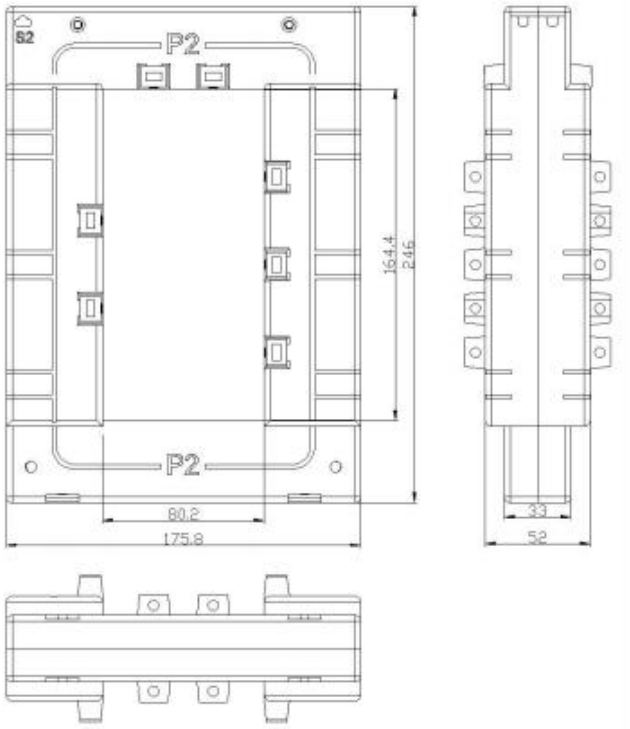
Item	Specification
Product	Current transformer
Model	SACT251503-4000
Rated current ratio	4000A/5A
Rated burden	30VA
Accuracy class	0.5
Rated voltage	0.66kV
Rated frequency	50Hz
Primary turns	1
Housing color	Yellow
Standard	GB/T 20840.2-2014
Revision	A0
Issue date	2026-10-17

Technical specifications

Category	Parameter	Value
Electrical	Operating frequency	50Hz
	Rated primary current	4000A (RMS)
	Rated secondary current	5A (RMS)
	Rated burden	30VA
	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

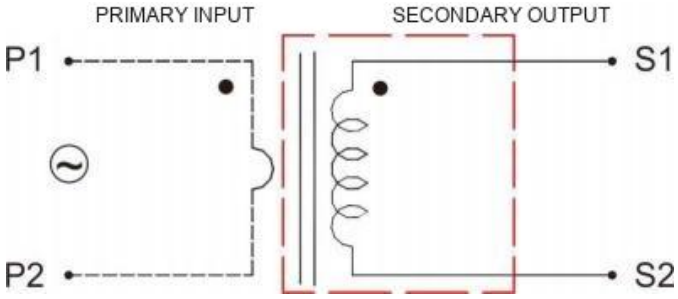
Other technical requirements shall comply with GB/T 20840.2-2014.

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

SACT251503-4000	4000A/5A
Un:0.66kV 50Hz	Class 0.5
Primary Turns:1	30VA
Date: 2026.09.15	