CT251 series openable current transformers are mainly used on busbars to transform loop current and isolate strong current.
The product has a reasonable structural design, a rectangular magnetic circuit, neatly wound secondary windings, and is opened at one end. When installing, first put the transformer winding part on the busbar, and then install the auxiliary part in place, so that the product can be installed in a relatively narrow environment.
The product uses a high-permeability silicon steel core and is precision-processed. The winding uses high-quality enameled wire, and the product performance is perfectly reflected.
This series of products has 5 sizes and specifications, which can measure cables with a current range of 100A-2000A. According to the requirements, the accuracy can be 0.5, 1.0, etc., and the secondary output signal is a standard current of 5A/1A.
When installing the product, the secondary circuit needs to be well connected before the installation work can be carried out. During and after the installation, the secondary output of the transformer is not allowed to be open. The open circuit protection circuit part can be added inside the product as needed.
The product shell color can be produced according to the customer's specified color to meet different color schemes.

NAMING

CT 2 5 1 0 □ □ — □

- Ratio
- Output type (1 pin 2 lead wire 3 terminals)
- products color (0 black 1 brown 2 red 6 blue 9 white)
- shell color
- 5 split core
- 2 metering 3 protection
- current transformer

Color code:
0: black; 1 brown 2: red; 6: blue; 9 white;
The shell color specified by the customer is coded and classified according to the main color of the color system;

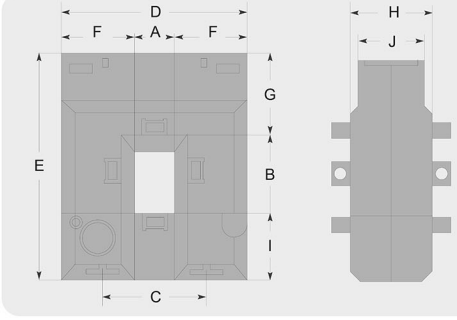
Normal use and installation conditions

- Installation location: Indoors.
- Atmospheric conditions: There is no serious pollution, corrosive and explosive media in the atmosphere.
- Ambient humidity: It is recommended that the relative humidity should not exceed 80%.
- Environment without significant frequent vibration and shock.
- Altitude: not more than 3000m.
  Storage temperature: -20℃~+50℃.

General technical indicators

Technical indicators	Indicator parameters
operating voltage	≤720V
operating frenquency	50~60Hz
rated accuracy	equal or better than 0.2 grade level
rated overload current	1.2x rated current
Rated short-time thermal current	60x rated current@1sec
Insulation resistance	≥1M ohms@500Vdc
Power frequency withstand voltage	3KV@2mA\1min\50Hz
Product flame retardant grade	UL94-V0
Insulation heat resistance grade	E class
Applicable standard	GB20840.2、IEC/EN60044-1

Product size table



UNIT: mm

MODEL	A	B	C	D	E	F	G	H	I	J
CT251103	20	30	50	89	110	34	48	40	32	32
CT251203	50	80	79	115	146	32	33	33	32	33
CT251303	80	80	108	145	145	32	33	33	32	33
CT251403	80	120	108	144	185	32	32	32	33	32
CT251503	42	132	70	146	215	48	42	55	37	35
CT251603	80	160	120	184	244	52	47	54	38	33

Product parameter selection table

MODEL	TYPICAL RATIO	ACCURACY AND LOAD			WINDOW SIZE
		0.5 GRADE	1.0 GRADE	3 GRADE	
CT251143	100A/5A	0	1.5VA	3.5VA	20*30
	200A/5A	0	1.75VA	3.75VA	
	400A/5A	2.5VA	3.75VA	5VA	
	200A/1A	0	1.5VA	2.5VA	
	400A/1A	1.75VA	2.5VA	3.75VA	
CT251243	400A/5A	2.5VA	3.75VA	3.75VA	50*80
	600A/5A	3.75VA	5VA	7.5VA	
	1000A/5A	10VA	15VA	20VA	
	1600A/5A	10VA	15VA	20VA	
	600A/1A	2.5VA	3.75VA	5VA	
	1000A/1A	3.75VA	5VA	7.5VA	
	1600A/1A	5VA	7.5VA	10VA	
CT251343	400A/5A	2.5VA	3.75VA	5VA	80*80
	800A/5A	3.75VA	7.5VA	10VA	
	1000A/5A	10VA	10VA	15VA	
	1600A/5A	10VA	15VA	20VA	
	800A/1A	2.5VA	3.75VA	5VA	
	1200A/1A	3.75VA	5VA	7.5VA	
	1600A/1A	5VA	7.5VA	10VA	
CT251443	800A/5A	7.5VA	7.5VA	10VA	80*120
	1600A/5A	10VA	10VA	15VA	
	2000A/5A	15VA	20VA	30VA	
	2500A/5A	25VA	30VA	40VA	
	800A/1A	3.75VA	5VA	7.5VA	
	1600A/1A	7.5VA	10VA	15VA	
	2000A/1A	10VA	10VA	15VA	
CT251543	1600A/5A	10VA	15VA	20VA	42*132
	2000A/5A	15VA	20VA	30VA	
	2500A/5A	25VA	30VA	40VA	
	3200A/5A	25VA	30VA	40VA	
	4000A/5A	30VA	35VA	40VA	
	2000A/1A	5VA	7.5VA	10VA	
	3200A/1A	7.5VA	10VA	15VA	
	4000A/1A	10VA	15VA	20VA	
CT251643	2000A/5A	10VA	15VA	20VA	80*160
	2500A/5A	15VA	20VA	30VA	
	3000A/5A	25VA	30VA	40VA	
	5000A/5A	30VA	30VA	40VA	
	6000A/5A	35VA	35VA	40VA	
	2000A/1A	7.5VA	10VA	15VA	
	5000A/1A	10VA	15VA	20VA	
	6000A/1A	10VA	15VA	20VA	

1 The transformation ratios listed in the selection table are typical transformation ratios. Those not listed in the table can be changed according to the design parameters. The required parameters need to be communicated when ordering.
2 Standard 5A current output, if there are special requirements, special instructions need to be given when ordering.