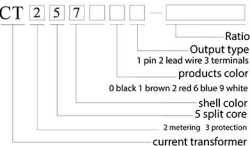




The 257-row openable current transformer is an openable product designed by adding auxiliary structures on the basis of closed-loop products. The product shell is made of environmentally friendly flame-retardant PC/ABS alloy engineering plastics and high-quality epoxy resin encapsulation materials. It has the characteristics of compact structure, easy installation, stable and reliable operation. In terms of production technology, this series of products adopts the process design of encapsulation first and then cutting, which can maximize the possibility of good combination of core sections, small matching gaps, and beautiful products. The resin encapsulation process provides maximum protection for the winding. In terms of design, the opening structure adopts a buckle design, which can be easily opened and closed. At the same time, this structure avoids the increase of errors caused by differences in the tightness of the combination during the installation process, and can ensure the consistency of repeated installation. This series of products has 7 sizes and specifications, which can measure cables with a current range of 100A-2000A. According to the requirements, the accuracy can be 0.2, 0.5, 1.0, etc. The secondary output signal can be a standard current of 5A/1A or a small signal current of mA level. This series of products does not contain an open circuit protection part. During installation, the secondary circuit needs to be well connected before installation can be carried out. During and after 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



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;

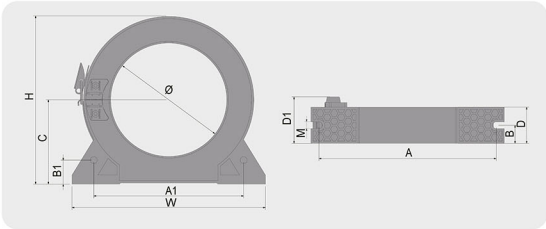
Normal use and installation conditions

- Installation location: Indoors.
- Atmospheric conditions: There is no serious pollution, corrosive and explosive media in
- Ambient humidity: It is recommended that the relative humidity should not exceed 80%.
- Atmospheric conditions: There is no serious pollution, corrosive and explosive media in the atmosphere.
- Environment without significant frequent vibration and shock.
- Altitude: not more than 3000m. Storage temperature: -30 C ~ +75 C .

General technical indicators

Technical indicators	Indicator parameters
operating voltage	≤720V
operating frequency	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

257 series size corresponding chart



MODEL	CURRENT INPUT(A)	APERTURE DIAMETER (MM)	PRODUCT SIZE (MM)					MOUNTING SIZE (MM)				
			H	D	W	C	D1	A	A1	B	B1	M
CT257203	≤500A	46	86.5	28	98	45	37	87	72	14	13	5
CT257303	≤800A	65	106	28	124	53	37	110	96	14	14	6
CT257403	≤1200A	80	130.5	32	140	67.5	41	122	106	16	18	6
CT257503	≤1600A	100	148.5	32	167	74.5	41	153	129	16	21	6
CT257603	≤2500A	120	172.5	32	188	88	41	170	142	16	20	6
CT257703	≤3200A	150	205.5	32	124	103.5	41	205	178	16	34	6
CT257803	≤4000A	200	205.5	32	124	103.5	41	205	178	16	34	6

Product parameter selection table

MODEL	RATIO	LOAD	ACCURACY	OVERLOAD MULTIPLES	OUTPUT TYPE
CT257203	100A/50mA	1.0VA	0.2/0.5	1.2/5	TERMINAL LEADWIRE
	200A/100mA	1.0VA	0.2/0.5	1.2/5	
	200A/1A	1.0VA	0.5/1.0	1.2/2	
	400A/5A	2.5VA	0.5/1.0	1.2	
	400A/1A	1.5VA	0.5/1.0	1.2/2	
	500A/5A	2.5VA	0.5/1.0	1.2	
CT257303	400A/200mA	1.5VA	0.2/0.5	1.2/5	TERMINAL LEADWIRE
	400A/5A	1.5VA	0.5/1.0	1.2	
	600A/5A	1.5VA	0.5/1.0	1.2	
	600A/1A	2.5VA	0.5/1.0	1.2/2	
	800A/5A	5VA	0.5/1.0	1.2	
	800A/1A	2.5VA	0.5/1.0	1.2/2	
CT257403	600A/5A	5VA	0.5/1.0	1.2	TERMINAL LEADWIRE
	800A/5A	7.5VA	0.5/1.0	1.2	
	1000A/5A	10VA	0.5/1.0	1.2	
	1200A/5A	10VA	0.5/1.0	1.2	
	600A/1A	5VA	0.5/1.0	1.2/2	
	1200A/1A	5VA	0.5/1.0	1.2/2	
CT257503	800A/5A	7.5VA	0.5/1.0	1.2	TERMINAL LEADWIRE
	1200A/5A	15VA	0.5/1.0	1.2	
	1600A/5A	15VA	0.5/1.0	1.2	
	800A/1A	5VA	0.5/1.0	1.2/2	
	1200A/1A	7.5VA	0.5/1.0	1.2/2	
	1600A/1A	10VA	0.5/1.0	1.2/2	
CT257603	1000A/5A	15VA	0.5/1.0	1.2	TERMINAL LEADWIRE
	1500A/5A	15VA	0.5/1.0	1.2	
	2500A/5A	25VA	0.5/1.0	1.2	
	1000A/1A	7.5VA	0.5/1.0	1.2/2	
	1500A/1A	10VA	0.5/1.0	1.2/2	
	2500A/1A	15VA	0.5/1.0	1.2	
CT257703	1200A/5A	15VA	0.5/1.0	1.2	TERMINAL LEADWIRE
	2000A/5A	25VA	0.5/1.0	1.2	
	2500A/5A	25VA	0.5/1.0	1.2	
	3200A/5A	35VA	0.5/1.0	1.2	
	1200A/1A	15VA	0.5/1.0	1.2	
	2000A/1A	15VA	0.5/1.0	1.2	
CT257803	1200A/5A	15VA	0.5/1.0	1.2	TERMINAL LEADWIRE
	2000A/15A	25VA	0.5/1.0	1.2	
	3200A/5A	35VA	0.5/1.0	1.2	
	4000A/5A	35VA	0.5/1.0	1.2	
	2000A/1A	20VA	0.5/1.0	1.2	
	4000A/1A	20VA	0.5/1.0	1.2	

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 The wiring terminals of standard 5A current output products are fence-type terminals. If there are special requirements, special instructions need to be given when ordering.