



CTK517 series open type residual current transformer is designed and produced according to the current market, which is increasingly appearing, and the later installed relay protection equipment, electrical fire monitoring system and other methods need to be installed without power outage. Since the existing distribution circuit cannot be changed, only the open type product can achieve the purpose of installation. With the expansion of applications, some construction parties are also using open type installation products to reduce installation costs.

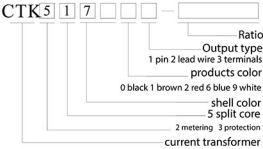
Because the closed magnetic circuit is cut into two parts, the balance characteristics of the product deteriorate. In order to change the balance characteristic index, it is necessary to select high magnetic permeability materials, and it is also necessary to perform special treatment on the winding design and add a shielding structure outside the winding, so that the balance characteristics can be guaranteed, which greatly increases the production cost of the open type residual current transformer. Therefore, when selecting, according to the installation requirements, only when the closed loop product cannot be installed, the open type is selected.

It should be noted that when installing the open type residual current transformer product, it is necessary to ensure the cleanliness of the core joint surface and its surroundings so that the core cross section can be well combined. Even a small gap will have a great impact on the balance characteristics and accuracy of the product.

This series of products is designed with 6 specifications and is suitable for continuous residual current monitoring of cable loops. Different balance characteristic indicators and accuracy levels can be specified according to different applications to minimize applicable costs.

The product can be output by terminal or direct wire output, and the wire length is specified as needed.

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. -10℃~+40℃
- 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: -20℃~+75℃.

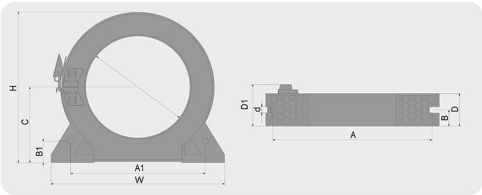
General technical indicators

TECHNICAL DATA		ELECTRICAL DATA				
RATED PRIMARY CURRENT	1000mA	5A	5A	10A	10A	
RATED SECONDARY CURRENT	0. 5mA	2. 5mA	5mA	5mA	10mA	
RATED THERMAL CURRENT CONTINIOUS	2000mA	10A	10A	50A	50A	
OPERATING FREQUENCY	50~60Hz					
RATED ACCURACY GRADE	EQUAL OR BETTER THAN 0. 5					
OPERATING VOLTAGE	≤660V					
FLAME RETARDANT GRADE	UL94-V0					
INSULATION RESISTANCE	≥1M ohms@500Vdc					
POWER FREQUANCY VOLTAGE WITHSTAND	3KV@2mA\1min\50Hz					
INSULATION HEAT RESISTANCE GRADE	E CLASS					

Balance characteristic parameters

MODEL	MAIN CIRCUIT RATED CURRENT	TEST CURRENT	CONDUCTOR DIAMETER	INSULATION THICKNESS	RESIDUAL CURRENT
CTK517203	0≤In≤100A	100A	6mm	1.0mm	≤20mA@100A
CTK517303	0≤In≤250A	315A	10mm	1.5mm	≤30mA@315A
CTK517403	0≤In≤315A	315A	10mm	1.5mm	≤30mA@315A
CTK517503	0≤In≤630A	630A	14mm	2.0mm	≤30mA@630A
CTK517603	0≤In≤1000A	1000A	20mm	2.0mm	≤50mA@1000A
CTK517703	0≤In≤1000A	1000A	20mm	2.0mm	≤50mA@1000A

CTK517 series size chart



MODEL	MAIN CIRCUIT CUITENT (A)	APERTURE (mm)	PRODUCT SIZE (mm)					MOUNTING SIZE (mm)				
			H	D	W	C	D1	A	A1	B	B1	d
CTK517203	≤100A	46	86.5	28	98	45	37	87	72	14	13	5
CTK517303	≤250A	65	106	28	124	53	37	110	96	14	14	6
CTK517403	≤315A	80	130.5	32	140	67.5	41	122	106	16	18	6
CTK517503	≤630A	100	148.5	32	167	74.5	41	153	129	16	21	6
CTK517603	≤1000A	120	172.5	32	188	88	41	170	142	16	20	6
CTK517703	≤1000A	150	205.5	32	124	103.5	41	205	178	16	34	6