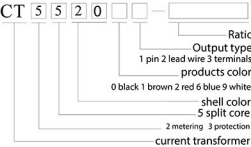




The CT552 series open-type residual current transformer is designed and produced based on the increasing number of post-installed relay protection equipment and electrical fire monitoring systems that need to be installed without power outages. Since the existing distribution circuit cannot be changed, only open-type products 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 use 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 adopts a new structural design and a button-opening method, which can ensure that the accuracy and other indicators after installation are consistent with those of the factory. The product adopts a pull-out fixed structure design. The fixed structure can be pushed into the slide during packaging and transportation, and can be pushed out of the slide when it needs to be fixed. The volume is minimized, reducing packaging and transportation costs. The product also has a standard rail structure designed around the output terminal, which can be installed with a signal processing unit. It is not only beautiful in appearance, but also more convenient to install and use. The series of products has 6 specifications and is suitable for continuous residual current monitoring of cable loops. According to different applications, different balance characteristic indicators and accuracy levels can be specified to minimize the applicable cost.

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;

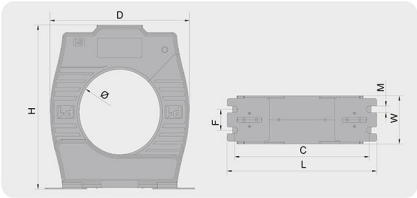
Normal use and installation conditions

- Installation location: Indoors. -20℃~+50℃
- 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℃~+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 CONTINUOUS	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				

CT552 series size chart



MODEL	MAIN CIRCUIT CURRENT (A)	PRODUCT SIZE (mm)					MOUNTING SIZE (mm)			
		Ø	D	H	W	C	L	F	M	
CT552123	≤63A	20	54	64	30	66	72	16	5	
CT552223	≤100A	35	72	86	37	82	87	16	5	
CT552323	≤160A	46	85	99	37	92	98	16	5	
CT552423	≤250A	65	112	127	37	116	122	16	5	
CT552523	≤400A	80	136	150	40	140	146	18	6	
CT552623	≤630A	100	160	170	40	164	170	18	6	

Balance characteristic parameters

MODEL	MAIN CIRCUIT RATED CURRENT	TEST CURRENT	CONDUCTOR DIAMETER	INSULATION THICKNESS	RESIDUAL CURRENT
CT552123	0≤In≤100A	100A	6mm	1.0mm	≤20mA@100A
CT552223	0≤In≤250A	315A	10mm	1.5mm	≤30mA@315A
CT552323	0≤In≤315A	315A	10mm	1.5mm	≤30mA@315A
CT552423	0≤In≤630A	630A	14mm	2.0mm	≤30mA@630A
CT552523	0≤In≤1000A	1000A	20mm	2.0mm	≤50mA@1000A
CT552623	0≤In≤1000A	1000A	20mm	2.0mm	≤50mA@1000A