

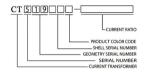
1519 series residual current transformer is mainly used in low-voltage distribution cabinets such as 380V and 660V, or in wer cabinets with relatively high density, to continuously detect and monitor the residual current at the installation node he corresponding circuit.

15 shell of this series of products is made of environmentally friendly flame-retardant ABS engineering plastics and h-magnetic materystalline soft magnetic materials. It has the characteristics of high precision, good balance characteris15 small size, high insulation strength, strong impact resistance, and easy installation. It can work reliably and stably in indoor ironments.
15 stress includes 5 circular window products suitable for cable loops and 7 rectangular window products suitable for per bus loops, a total of 12 specifications of products, which can basically meet the detection of all residual currents in dis15 series includes 5 circular window products suitable for cable loops and 7 rectangular window products suitable for per bus loops, a total of 12 specifications of products, which can basically meet the detection of all residual currents in dis15 series entered for products can be equipped with a unified housing at the terminal position on the product according to cus15 series entered for products can be equipped with a unified housing at the terminal position on the product according to cus15 series entered for products can be equipped with a unified housing at the terminal position on the product according to cus16 series entered for products are designed with four terminals, and the secondary output of the terminal communication functions.
17 June 17 series entered for the determination of the designed processing and communication functions.
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FEATURES

- Signal processing units can be added to expand product functions.
 Strong overload capacity, 20 times the rated current can be overloaded for a long time as needed.
 Excellent balance characteristics, small-size products meet the detected alarm threshold requirement of 30mA.
 High precision: 0.5/1.0/3 levels of precision are optional.
 Compact design, small size, beautiful appearance
 Strong versatility and good interchangeability

NAMING



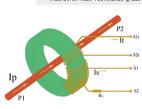
Color code:

0 black 2 red 8 grey 9 white
The shell color specified by the customer
is coded and classified according to the
main color of the color system;

al use and installation conditions

- Installation location: Indoor/
- Ambient temperature: -10°C~+40°C.
- Ambient humidity: It is recommended that the relative humidity should not exceed 80%.
 The altitude shall not exceed 3000m.
- Atmospheric conditions: There is n serious pollution, corrosive and explosive media in the atmosphere. Environment without significant frequent vibration and shock.

technical indicators							
Technical indicators		Electrical paramete					
Rated primary current	1000mA	5A	5A	10A	10A		
Rated secondary current	0. 5mA	2. 5mA	5mA	5mA	10mA		
Rated continuous thermal current	2000mA	10A	10A	50A	50A		
Operating frequency	50~60Hz						
Rated accuracy grade	Equal to or better than 0.5						
Operating voltage	≤660V						
Product flame retardant grade	UL94-V0						
Insulation resistance	≥1M ohms@500Vdc						
Power frequency withstand voltage	3KV@2mA\1min\50Hz						
Insulation heat resistance grade	F-Class						



	E-Class
code	code description
IP	Measured current/input current
IS/It	Secondary output current/test input current
P1/P2	Measured current input/output termina
S1/S2	Secondary current output/input terminal
S1t/S2t	Test winding current input/output
	Consorder internal resistance of transformer

In actual use, if you need to add a secondary open circuit protection part inside the transformer, you need to explain It specially. The standard product does not contain the secondary open circuit protection part. The open circuit pro-tection can be added with a docking diode or a transient suppression diode.

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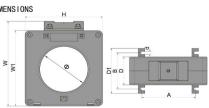
Specifications	Main circuit rated working current	Test current	Conductor diameter	Conductor insulation thickness	Residual current characteristics
CT519103A	0≤In≤100A	100A	6mm	1.0mm	≤2mA@100A
CT519103	0≤In≤100A	100A	6mm	1.0mm	≤5mA@100A
CT519203A	0≤In≤160A	315A	10mm	1.5mm	≤2mA@315A
CT519203	0≤In≤160A	315A	10mm	1.5mm	≤5mA@315A
CT519303	0≤In≤250A	315A	10mm	1.5mm	≤10mA@315A
CT519403	0≤In≤400A	630A	14mm	2.0mm	≤10mA@315A

When the residual current transformer passes the corresponding sinusoidal AC current, its output sampling value voltage should meet the requirements in the following table.



$R{=}1000\Omega C{=}0.022\mu F$	Current source frequency: 50-60Hz; accuracy better than 0.1%; voltmeter AC mV sampling accuracy better than 0.1%.						
"Current Sense" value (mA)	Corresponding current range (mA)	Connecting load	Measuring end	Sampling voltage range (mV)			
50 49.75-50.25				24.64-25.64			
200	199-201	1000Ω		97.18~101.14			
500	498-502	//0.022µF	S1 . S2	243.01~253.01			
800	796-804			388.7~404.7			
1000	995-1005			486.25~506.26			

PRODUCTS DIMENSIONS



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MODEL cir	Main	Aperture	DIMENSIONS (mm)				MOUNTING (mm)			
	circuit current	Ø	н	D	w	W1	Α	В	D1	d
CT519103A	≤100A	31	75	45	97	82	45.5	58	72	5
CT519103	≤100A	31	75	45	97	82	45.5	58	72	5
CT519203A	≤160A	51	102	45	125	109	66	58	72	5
CT519203	≤160A	51	102	45	125	109	66	58	72	5
CT519303	≤250A	73	118	45	136	121	81.5	58	72	5
CT519403	≤400A	93	145	45	163	148	109	58	72	5
CT519503	≤800A	114	164	57	182	167	129	74	90	5