



Product overview

The circular through core current transformer is mainly used in the cable circuit environment, which has simple structure, small volume and flexible application. According to the cable specifications used in the main circuit, there are many kinds of hole diameter corresponding to the core penetration. The diameter of the pierce hole of this series of products is from 25mm to 200mm, and the current of the main circuit includes 63a-2000a. The series of products can meet the technical requirements of different precision such as 0.2, 0.5 and 1. At the same time, it can also meet the strict requirements of the new national standard for the balance characteristics. The unbalanced current output value can also be better than 30mA, 10mA, 5mA, even 3mA, which greatly reduces the false alarm caused by the interference of the current and magnetic field of the main circuit, and provides sufficient guarantee for the reliability of the equipment. Excellent and advanced production process. This series of products meet the requirements of IEC61869-2(2012).

Product features

Core piercing structure, flame retardant epoxy resin casting, good stability.
High magnetic conductivity nickel steel or nanocrystalline, good linearity and high sensitivity.
Excellent balance characteristics and strong anti electromagnetic interference ability.

Scope of application

Electrical fire monitoring, fire prevention and leakage system, intelligent power system, small current grounding system, electromagnetic relay protection, microcomputer protection, intelligent power, environmental protection monitoring, etc.

Performance index

Working frequency	50~400Hz	Shell	ABS, Flame retardant grade 95-V0
Rated input	10mA~5A	Skeleton	PBT
Measuring range	10%In~130%In	Iron core	Nickel or nanocrystalline
Rated output	0~1v(A or)0~0.5mA	Internal structure	Environment friendly epoxy resin casting
Ratio difference	≤±0.1%	Construction plan	Screw fixation
The difference between the two	≤±10	Working temperature	12°C~+45°C
Dielectric strength	2.5KV/1mA/1min	Ambient humidity	≤85%
Insulation resistance	DC500V/1000MΩ/min	Connection mode	Terminal type / shielded strand 1.5m

Outline and installation dimensions

Model and specification	Rated input	Rated output	Accuracy class	Dimensions(mm)					
				Φ	A	B	C	D	G
ZSCT-25	0~1A	0~1A (0.5mA)	0.1	25mm	56	60	21	48.5	M5
ZSCT-45				45mm	79.5	83.5	24	66.5	M5
ZSCT-65				65mm	99.5	104	24	86.5	M5
ZSCT-80			0.5	80mm	113.5	119	26	101.5	M5
ZSCT-100			1.0	100mm	135.5	141	26	114.5	M6
ZSCT-150				150mm	189.5	196	27	171	M6
ZSCT-200				200mm	239.5	246	30	221	M8

