LZCK310-10

400/5A CHEAP WINDOW TYPE SPLIT HV CORE CURRENT TRANSFORMER

The Model LZCK310-10 is a window type resin casting split core current transformer. Some clients also called it as TTCC. This model can be used both for measurement and microcomputer protection of electrical equipment in 11KV and 35KV AC power system such as such as ABB-Safe Ring/Safe Plus...and cable distribution boxes.

We used imported silicon material and using our mature advanced producing technology we make sure our transformer has very goog linear and more than 20 years using life in order to be qualified with all the jobs. These semicircular ring core and secondary windings are vacuum poured by insulated resin. Ratio from 300/5A to 1000/5A can be customized for user system.

All of our current transformers are strictly comply IEC60044-1, IEC 61869-2, NTC 2205, GB1208-2006, ANSI/IEEE C57.13.

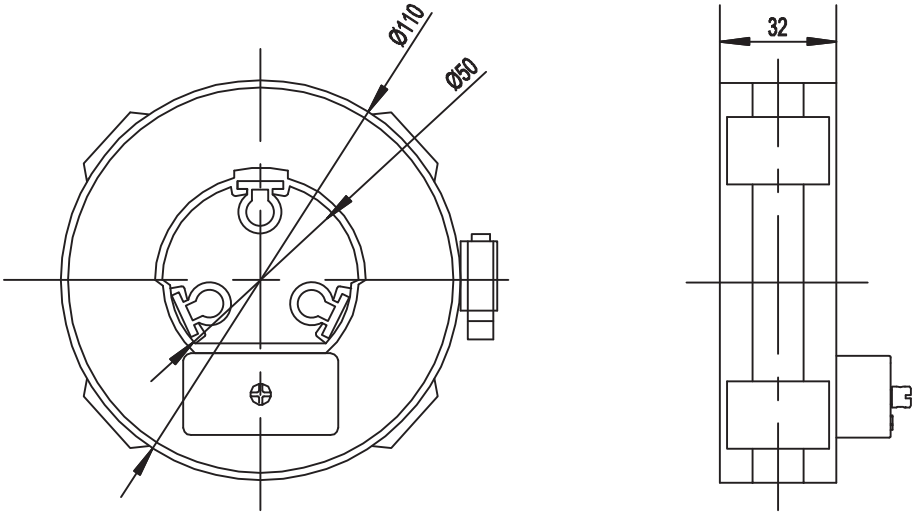
Features

1. Easily installation;
2. Size:ϕ50xϕ110x32;
3. High precision 0.5%;
4. Economic type deign;
5. Using life more than 20 years;
6. Holding wire diameter: ϕ50mm;
7. High quality silicon steel material;
8. Measurement range 0-1000A AC;
9. Secondary windings are vacuum poured by insulated resin;
10. 300/5A, 400/5A, 500/5A, 600/5A, 750/5A, 800/5A, 1000/5A;
11. 300/1A, 400/1A, 500/1A, 600/1A, 750/1A, 800/1A, 1000/1A;
12. IEC60044-1, IEC 61869-2, , NTC 2205, GB1208-2006, ANSI/IEEE C57.13;

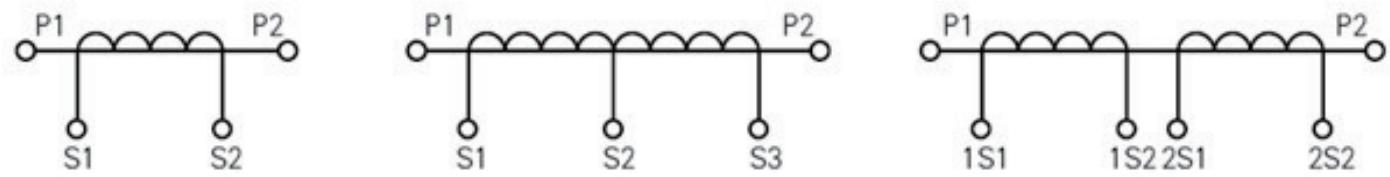
Application

1. Energy meter;
2. Power Meter;
3. MV switchgears;
4. Distribution boxes;
5. Power Quality Analyzer;
6. Low voltage metering system;
7. Distribution Power transformer monitor system;

Outline drawing



Wiring diagrams



Single winding Secondary winding with tap Double winding

P1, P2 is primary polarity terminal, S1, S2 is secondary polarity terminal.
P2, S2 is homonymous terminals (subtractive polarity).

Parameters

Technical parameters	
Standards	IEC60044-1; IEC 61869-2; NTC 2205; ANSI C57.13; GB1208-2006;
Rated primary current	300-1000A
Rated load	≤10VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	40kA, 1S
Rated continuous thermal current	120%I1n
Secondary winding power-frequency voltage	3kV, 1min
Instrument security factor	FS≤10

Technical parameters - continued	
Insulation Class	E
Material	polyurethane +Silicon steel sheets+Enameled wire+ABS
Mechanical parameters	
Dimensions (W×D×H) (mm)	ϕ50xϕ110x32
Jaw cable diameter(mm)	45
Weight (kg)	1
Operating conditions	
Operating temperature	-40°C to +70°C
Daily average temp	<+40°C
Storage temperature	-40°C to +70°C
Altitude	<3500 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

Type	LZCK310-10		
Purpose	**Measuring current transformer**		
Ratio	**Accuracy class and rated load(VA)**		
I_1/I_2	0.5	1	3
300/1	2.5	2.5	5
400/1	2.5	5	7.5
500/1	5	5	7.5
600/1	5	7.5	10
750/1	10	10	10
800/1	10	10	15
1000/1	10	10	15
300/5	2.5	5	7.5
400/5	5	5	7.5
500/5	5	7.5	10
600/5	5	7.5	10
750/5	10	10	15
800/5	10	10	15
1000/5	10	10	15

Selection Guide

Model	Primary rated current	Rated load	Aperture (mm)	Description (mm)	Weight (kg)
LZCK310-10	300-1000A	≤10VA	ϕ50	ϕ50 x ϕ110 x 32	1
LZCK322-10	30-1000A	≤10VA	ϕ50	ϕ50 x ϕ110 x 52	1.6
LZCK350-10	30-1000A	≤25VA	ϕ50	ϕ50 x ϕ110 x 105	3.1
LZCK720-10	30-1000A	≤25VA	ϕ80	ϕ80 x ϕ110 x 50	2.1
LZCK2500-10	30-3000A	≤30VA	ϕ120，140，160	ϕ120 x ϕ185 x 100	7
LZCG530-10	30-1000A	≤20VA	ϕ45	ϕ45 x ϕ120 x 65	2.1
LZCG930-10	30-1500A	≤25VA	ϕ60	ϕ60 x ϕ155 x 60	3.6
LZCT722-10	30-1500A	≤10VA	ϕ82	ϕ82 x ϕ130 x 55	2.3
LZCG2500-10	30-3000A	≤30VA	ϕ120，140，160	ϕ120 x ϕ185 x 100	7

Current Transformer Ordering Information

Be sure to the type, current ratio, accuracy class, rated load and use of the products when you plan to make a order. Special specifications could be customized.All kinds of different specifications and parameters current transformers can be made according to your needs.