

LZCK350-10

100/5A EPOXY RESIN 20VA HIGH VOLTAGE SPLIT CORE CT

The Model LZCK350-10 is a ring 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 good linear and more than 10 years using life in order to be qualified with all the jobs. The semicircular ring core and secondary windings are vacuum poured by insulated resin.

All of our current transformers are strictly comply IEC60044-1, IEC 61869-2, NTC 2205, GB1208-2006, GB20840.2-2013, ANSI/IEEE C57.13.

Features

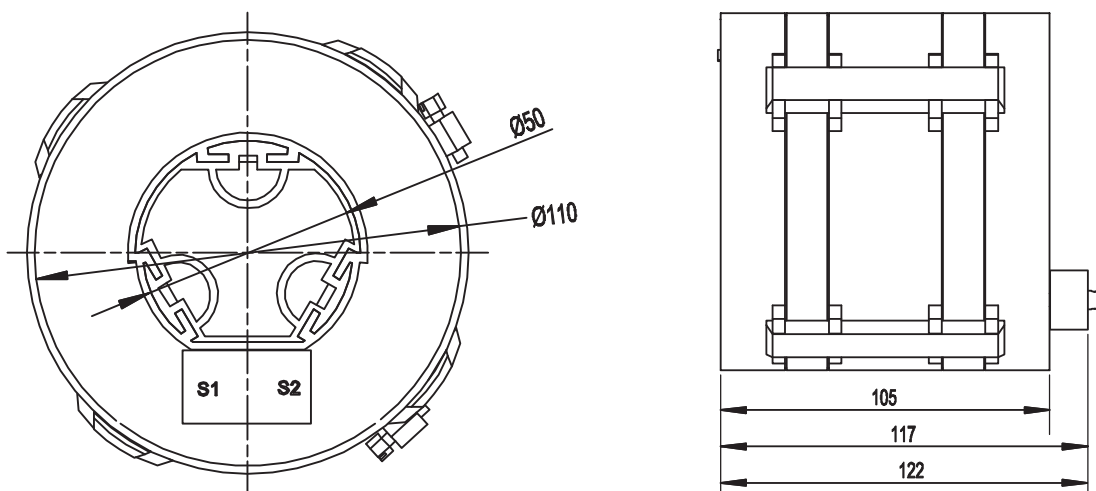
1. Support Dual Ratio;
2. High precision 0.5%;
3. Large burden design;
4. Size: $\phi 50 \times \phi 110 \times 105$;
5. Using life more than 20 years;
6. Holding wire diameter: $\phi 45\text{mm}$;
7. Measurement range 0-1000A AC;
8. Easily installation, with mounting bracket ;
9. High magnetic conductivity silicon steel material;
10. Secondary windings are vacuum poured by insulated resin;
11. IEC60044-1; IEC 61869-2; ANSI C57.13; NTC 2205; GB1208-2006;
12. 50/5A, 100/5A, 200/5A, 300/5A, 400/5A, 500/5A, 600/5A, 1000/5A;



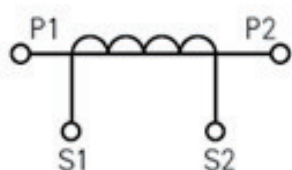
Application

- | | |
|----------------------------------|--|
| 1. Energy meter; | 2. Power Meter; |
| 3. Meter tester; | 4. MV switchgears; |
| 5. Distribution boxes; | 6. Air switch cabinet; |
| 7. Power Quality meter; | 8. Ring network cabinet; |
| 9. Measuring instrument; | 10. Current load monitoring; |
| 11. Low voltage metering system; | 12. Distribution Power transformer monitor system; |

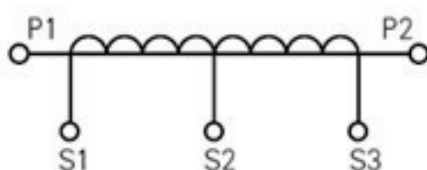
Outline drawing



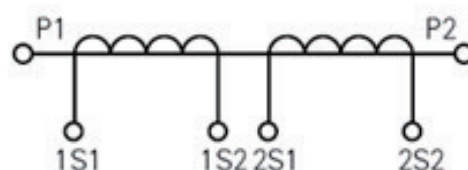
Wiring diagrams



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/IEEE C57.13; GB1206-2006;
Rated primary current	30-1000A
Rated load	≤25VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	40kA, 1S
Rated continuous thermal current	120%I _n
Secondary winding power-frequency voltage	3kV, 1min

Technical parameters - continued

Instrument security factor	FS≤10
Insulation Class	E
Material	polyurethane +Silicon steel sheets+Enameled wire+ABS

Mechanical parameters

Dimensions (W×D×H) (mm)	φ50×φ110×105
Jaw cable diameter(mm)	45
Weight (kg)	3.1

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	LZCK350-10			LZCK350-10			LZCK350-10			
Purpose	Measuring current transformer			Protection current transformer			Double winding current transformer			
Ratio	Accuracy class and rated load(VA)			Accuracy class and rated load(VA)			Composite accuracy class and rated load (VA)			
I ₁ /I ₂	0.5	1	3	10P15	10P10	10P5	0.5	1	10P10	10P5
30/1		0.5	1.5		0.75	1.25				
50/1		1	2		1.25	2				
75/1	2	2.5	3.75	1.25	2	3		2	1	2
100/1	2.5	3.75	5	2	2.5	5	2	2.5	1.5	2.5
200/1	5	2.5	5	3	5	7.5	2.5		2	
300/1	10	3.75	5	3	5	7.5	3.75		2.5	
400/1	10	5	10	3	5	10	5		2.5	
500/1	15	5	10	3.75	6.25	10	5		2.5	
600/1	20	7.5	10	5	7.5	10	7.5		5	
750/1	25	7.5	10							
800/1	25	10	15							
1000/1	25	10	15							
50/5			2.5			2				
75/5			2.5			3				
100/5	2.5	5	10			5		2.5		2.5
200/5	7.5	10	20				2.5	5		2.5
300/5	10	15	20				5		2	2.5
400/5	15	15	30				7.5		2.5	5
500/5	25	30	40				7.5		2.5	5
600/5	25	30	50				10		3	7.5
750/5	30	30	50							
800/5	30	30	50							
1000/5	30	30	50							

Selection Guide

Model	Primary rated current	Rated load	Aperture (mm)	Description (mm)	Weight (kg)
LZCK310-10	300-1000A	$\leq 10\text{VA}$	$\phi 50$	$\phi 50 \times \phi 110 \times 32$	1
LZCK322-10	30-1000A	$\leq 10\text{VA}$	$\phi 50$	$\phi 50 \times \phi 110 \times 52$	1.6
LZCK350-10	30-1000A	$\leq 25\text{VA}$	$\phi 50$	$\phi 50 \times \phi 110 \times 105$	3.1
LZCK720-10	30-1000A	$\leq 25\text{VA}$	$\phi 80$	$\phi 80 \times \phi 110 \times 50$	2.1
LZCK2500-10	30-3000A	$\leq 30\text{VA}$	$\phi 120, 140, 160$	$\phi 120 \times \phi 185 \times 100$	7
LZCG530-10	30-1000A	$\leq 20\text{VA}$	$\phi 45$	$\phi 45 \times \phi 120 \times 65$	2.1
LZCG930-10	30-1500A	$\leq 25\text{VA}$	$\phi 60$	$\phi 60 \times \phi 155 \times 60$	3.6
LZCT722-10	30-1500A	$\leq 10\text{VA}$	$\phi 82$	$\phi 82 \times \phi 130 \times 55$	2.3
LZCG2500-10	30-3000A	$\leq 30\text{VA}$	$\phi 120, 140, 160$	$\phi 120 \times \phi 185 \times 100$	7

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.

Accessory

