

LZCK720-10

Split Core Dry Type Current transformer

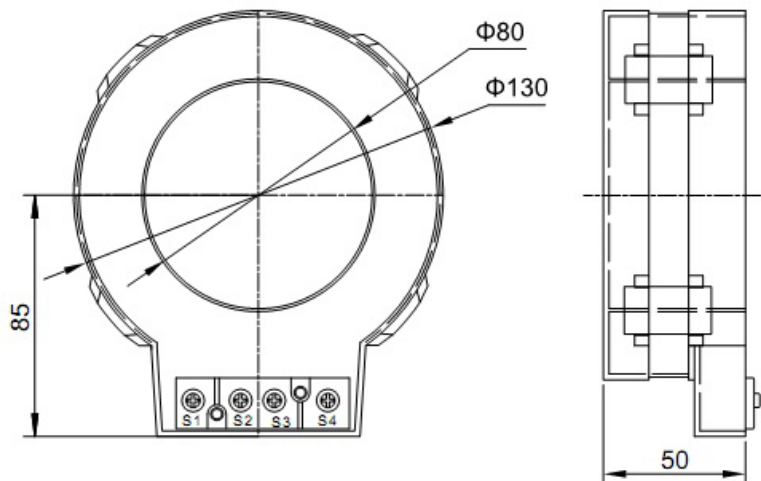
LZCK series split core current transformer is suitable for current measurement and microcomputer protection of electrical equipment in 10KV and 35KV AC power system.

It is widely used in compact fully insulated ring network switchgears such as ABB-Safe Ring/Safe Plus...and cable distribution boxes.

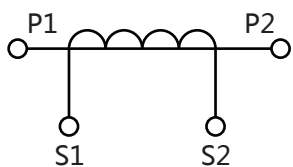
The transformer can be directly installed at the inlet and outlet cables. The slice is imported silicon material. The semicircular ring core and secondary windings are vacuum poured by insulated resin.



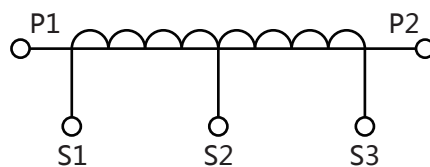
Outline drawing



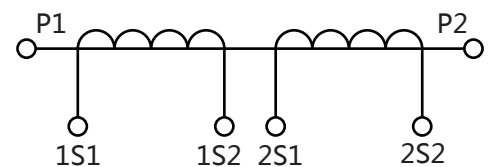
Wiring diagrams



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
Rated primary current	100-1500A
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%I _{1n}
Secondary winding power-frequency voltage	3kV, 1min
Instrument security factor	FS≤10
Mechanical parameters	
Dimensions (W×D×H) (mm)	φ80×φ110×50
Weight (kg)	2.1
Operating conditions	
Operating temperature	-35°C to +55°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	LZCK720-10		LZCK720-10	
Purpose	Measuring current transformer		Protection current transformer	
Ratio	Accuracy class and rated load(VA)		Accuracy class and rated load(VA)	
I ₁ /I ₂	0.5	1	10P10	10P5
100/1	2	2.5		1
200/1	2.5	3.75		2.5
300/1	3.75	5	2.5	3.75
400/1	5	7.5	3.75	5
500/1	7.5	10	5	7.5
600/1	10	15	7.5	10
100/5	2	2.5		1
200/5	2.5	3.75		2.5
300/5	3.75	5	2.5	3.75

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Purpose	Measuring current transformer		Protection current transformer	
Ratio	Accuracy class and rated load(VA)		Accuracy class and rated load(VA)	
400/5	5	7.5	3.75	5
500/5	7.5	10	5	7.5
600/5	10	15	7.5	10
800/5	10	15	7.5	10
1000/5	10	15	7.5	10
1200/5	10	15	7.5	10
1500/5	10	15	7.5	10

Selection guide

Model	Primary rated current	Rated load	Aperture (mm)	Description (mm)	Weight (kg)	Material	Water-proof
LZCK55	100-1500A	≤10VA	φ55	180×138×52	2	ABS+Resin	IP65
LMCK185-10	300-3000A	≤25VA	φ185	350×283×55	4.5	ABS+Resin	IP65
LZCK310-10	300-600A	≤10VA	φ50	φ50 x φ110 x 32	1	Resin	silicon case (option)
LZCK322-10	30-600A	≤10VA	φ50	φ50 x φ110 x 52	1.6	Resin	silicon case (option)
LZCK350-10	20-600A	≤25VA	φ50	φ50 x φ110 x 105	3.1	Resin	silicon case (option)
LZCK720-10	20-1000A	≤25VA	φ60	φ80 x φ110 x 50	2.1	Resin	silicon case (option)
LZCK2500-10	500-1500A	≤20VA	φ120	φ120 x φ185 x 100	7	Resin	silicon case (option)
LZCG530-10	30-600A	≤20VA	φ45	φ45 x φ120 x 65	2.1	Resin	silicon case (option)
LZCG930-10	100-1500A	≤25VA	φ60	φ60 x φ155 x 60	3.6	Resin	silicon case (option)
LZCT722-10	20-600A	≤10VA	φ82	φ82 x φ130 x 55	2.3	Resin	silicon case (option)

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.