

LZCT722-10

Cast Resin Bushing Type Current Transformer

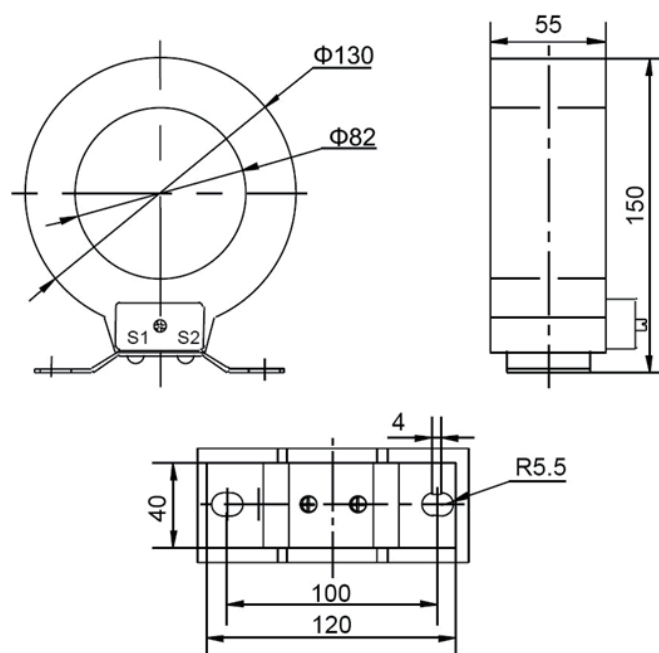
LZCT722-10 bushing type current transformer is suitable for current measurement and microcomputer protection of electrical equipment in 10KV and 35KV AC power system. It is not only widely used in compact fully insulated ring net switch cabinets and load switch cabinet but also cable distribution boxes because of its small size, light weight, open feasibility and convenient. It is very convenient that the transformer can be directly installed at connected output and input cables.

New magnetic material amorphous alloy or permalloy is taken to be the core of the bushing type current transformer, which has high magnetic permeability, low saturation induction density and good stability.

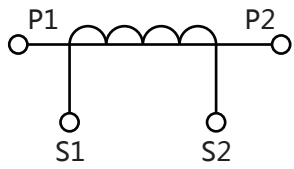
Therefore, the measuring accuracy is higher and the instrument security factor is lower. Since the high quality silicon steel sheet metal processed by advanced technology is taken to be the core of the protection windings, the accuracy limit factor will be higher.



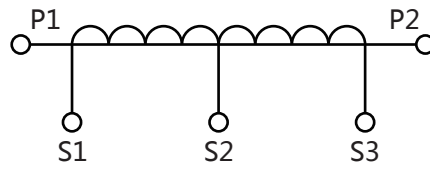
Outline drawing



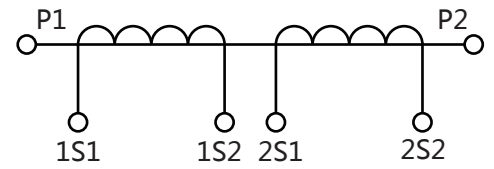
Wiring diagrams



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; GB1208-21
Rated primary current	20-600A
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)	φ82×φ130×55
Weight (kg)	2.3
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.

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Technical data

Type	LZCK2500-10			LZCK2500-10		
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	3	10P15	10P10	10P5
300/5	5	5	5	2.5	5	7.5
400/5	5	5	5	2.5	5	7.5
500/5	5	7.5	7.5	5	7.5	10
600/5	5	7.5	7.5	5	7.5	10
800/5	10	10	10	5	10	15
1000/5	10	15	15	5	10	15
1200/5	15	20	20	10	15	20
1500/5	15	20	20	10	15	20

Selection guide

Model	Primary rated current	Rated load	Aperture (mm)	Description (mm)	Weight (kg)	Material	Water-proof
LZCK-55	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.

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