

LZCK-55

Clamp Outdoor Waterproof Split Core Current Transformer

The Model LZCK-55 split core ct is a 55mm core diameter outdoor split core current transformer. Some clients also called it as outdoor TTCC. Due to its accuracy can be 0.5s and its IP67 protection degree level ,this current transformer is widely used together with energy meters for measurement in power utilities. Also this current transformer can be used in outdoor distribution power transformer monitor system.

The semicircular ring core and secondary windings are vacuum poured by insulated resin. Besides in front using field, this model can be used both for measurement and microcomputer protection of electrical equipment in 11KV and 35KV AC power system.

All of our split core current transformers are strictly comply IEC60044-1, IEC 61869-2, NTC 2205, GB1208-2006, GB/T20840.2, ANSI/IEEE C57.13.

Features

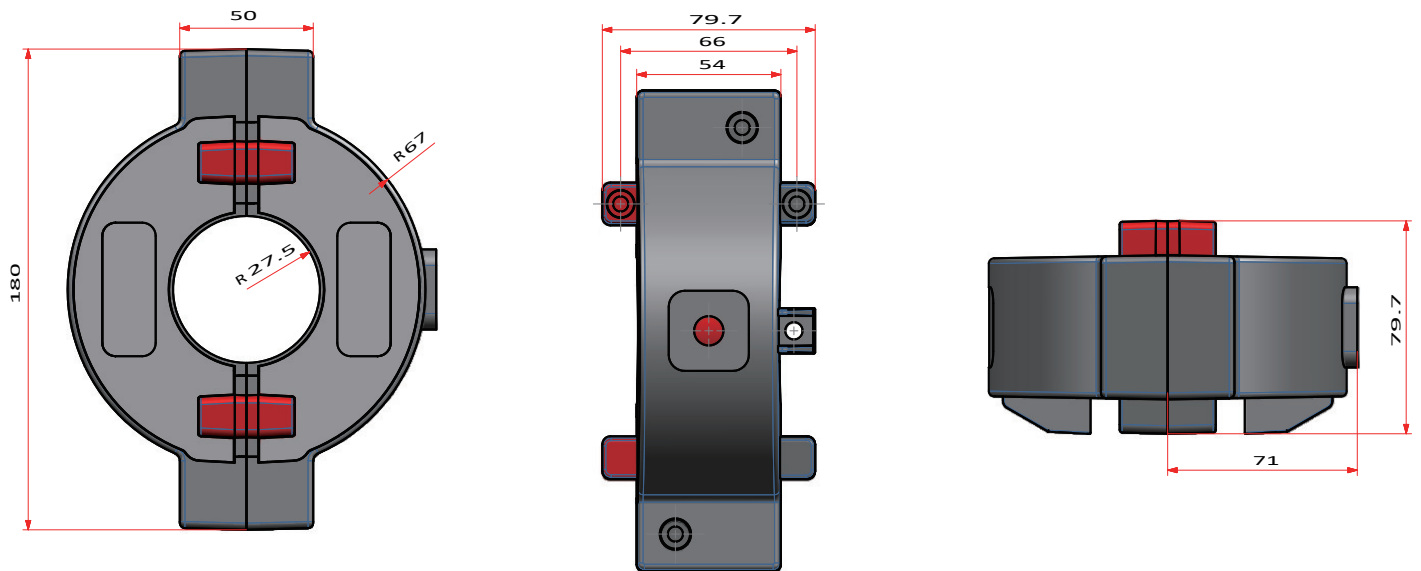
1. IP67 level outdoor;
2. Support Dual Ratio;
3. High precision 0.5s;
4. Support install Seals;
5. Long-Life technology design;
6. Holding wire diameter: $\phi 55\text{mm}$;
7. Measurement range 0-1000A AC;
8. Easily installation with electricity;
9. Clamp type structure current transformer;
10. Secondary windings are vacuum poured by insulated resin;
11. IEC60044-1, IEC 61869-2, , NTC 2205, GB/T20840, ANSI/IEEE C57.13;
12. 100/5A, 200/5A, 300/5A, 400/5A, 500/5A, 600/5A, 750/5A, 800/5A, 1000/5A;



Applications

1. Meter tester;
2. Power Meter;
3. Energy meter;
4. MV switchgears;
5. Load monitoring;
6. Distribution boxes;
7. Power Quality Analyzer;
8. Low voltage metering system;
9. Reactive compensation device;
10. Distribution Power transformer monitor system;
11. Energy consumption monitoring system;

Outline Drawing



Parameters

Technical parameters

Standards	IEC60044-1; IEC 61869-2; NTC 2205; GB1208-2006; GB/T20840.2; ANSI/IEEE C57.13
Accuracy Class	0.5S, 0.5%, 1%, 3%
Range of primary rated current	100-1000A
Range of Rated load	≤10VA
Rated frequency	50/60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	40kA, 1S
Rated continuous thermal current	150%I _n
Secondary winding power frequency withstand voltage	3kV, 1min
Safety Factor Rating	(FS) <10
Output signal	1A, 5A, 333mV, 1V or 5V(customized)
Safety	CAT IV 600V IEC/EN 61010-1
Insulation Class	E

Flame retardant ABS and UV plastic shell inside, jaw waterproof apron.

Mechanical parameters

Aperture (mm)	Φ55
Dimensions (W×D×H) (mm)	180×138×52
Weight (kg)	2
Length of Cable	2.5 M(standard), 5M, 10M or customized
Cable information	2*16AWG ,Voltage: 400/720V, outdoor+UV
Color	Orange, black or customized

Working conditions

Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +70°C
Ingress Protection	IP67
Environment	outdoors or indoors
The Height of above sea level	0- 3000m
Conditions	No existence of severely begrimed, erosive and radioactive gas in the air. Continuous working under the rated current is allowed.

GFUVE company provide outdoor split core ct scheme design customized services!

Selection Guide

Model	Primary rated current	Rated load	Aperture (mm)	Description (mm)	Weight (kg)
LZCK-36	100-600A	≤10VA	Φ36	128×120×85.5	1.25
LZCK-55	100-1000A	≤10VA	Φ55	180×138×52	2
LZCK-80	100-2000A	≤20VA	Φ80	185×164×60	2.5
LZCK-120	100-3000A	≤20VA	Φ120	225×204×64	2.8
LMCK185-10	300-5000A	≤25VA	Φ185	350×283×55	4.5

Technical Data

Type	LZCK-55(2.5m cable)			
Purpose	Measuring current transformer			
Ratio	Accuracy class and rated load(VA)			
I_1/I_2	0.5S	0.5	1	3
100/1		0.1	1	2.5
150/1		0.1	1	2.5
200/1	1	2.5	2.5	2.5
250/1	1	2.5	2.5	2.5
300/1	1	2.5	2.5	2.5
400/1	2.5	2.5	2.5	2.5
500/1	2.5	2.5	5	5
600/1	2.5	2.5	5	5
800/1	2.5	2.5	5	5
1000/1	2.5	2.5	5	5
100/5			2.5	2.5
150/5			2.5	2.5
200/5	2.5	2.5	5	5
250/5	2.5	2.5	5	5
300/5	5	5	5	5
400/5	5	10	10	10
500/5	5	10	10	10
600/5	5	10	10	10
800/5	10	10	10	10
1000/5	10	10	10	10