GFLZZ0757-35Q

EPOXY RESIN INDOOR HIGH ACCURACY 33KV CURRENT TRANSFORMER

This model GFLZZ0757-35Q indoor post type current transformer is used in 36KV, 35KV, 33KV, 27KV, 25KV power system, for measuring and protection. It has been used in outdoor pole mounted and transmission line. This product has the characteristics of high efficiency and large capacity, and can be customized according to customer requirements.

For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic vacuum pressure. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. Primary and secondary use pure electrolytic copper, both winding and core have high voltage shielding processing. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

It can be used for 33KV distribution line, coal mine, power plant, Rail way, factories.. . The dry type instrument current transformers are strictly in conformity with IEC60044, IEC 61869, ANSI/IEEE C57.13, NBR6855 etc.

Features

1. Weight: 80KG;
2. Using life: 30 years;

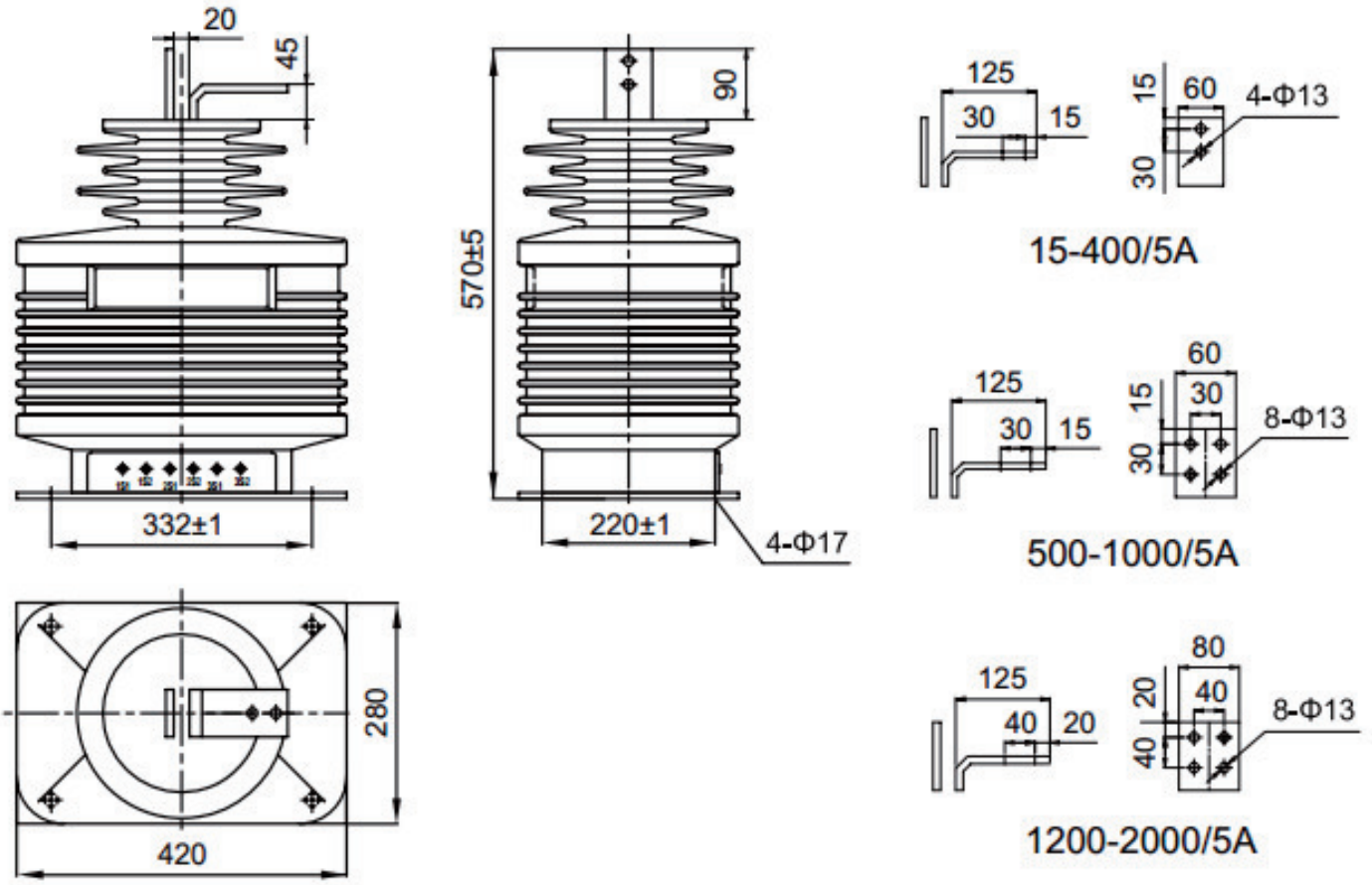
Post type outdoor design;

3. Rated voltages up to 36 kV;
4. Secondary current output 5A or 1A;
5. Compact size & mounting flexibility;
6. Tin plated copper primary terminals;
7. 36KV, 35KV, 33KV, 27KV, 25KV Outdoor;
8. Reasonable structure and robust construction;
9. Rated basic insulation levels (BIL) up to 200 kV;
10. Surface creepage distance more than 1300mm;
11. Material:Epoxy(HCEP) + outdoor silicone cover;
12. Built-in surge protection for current transformers;
13. Standard & Special High Accuracy metering classes;
14. Environmentally friendly & minimum maintenance;
15. Convenient installation, suitable for installation in any location;
16. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20, 10P15;
17. IEC60044-1, IEC 61869-2, GB/T 20840.1,2 & ANSI/IEEE C57.13 Standards;

Applications

1. Rail way;
2. Coal Mine;
3. Power plant;
4. Power Meter;
5. Energy meter;
6. Power station;
7. Oil, gas company;
8. Distribution system;
9. Electric Power Bureau;
10. Measuring instrument;
11. Primary metering cabinets;
12. MV Power Quality Analyzer;
13. Substation metering and relaying;
14. Industrial and mining enterprises;

Outline drawing



Parameters

Technical parameters	
Standards	IEC60044; IEC 61869; ANSI/IEEE C57.13, GB/T 20840.1,2
Accuracy Class	0.2s, 0.2, 0.5s, 0.5, 1, 10P10, 10P15, 5P20, 5P10
Rated Voltage	36KV, 35KV, 33KV, 27KV, 25KV
Rated primary current	20-2000A
Rated load	≤25VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	80kA, 1S
Rated dynamic current	160kA
Rated insulation level	40.5/95/200KV
Using type	Indoor
Application	Measurement and Protection
Insulation class	E
FS	⩽10
Mechanical parameters	
Material	Epoxy resin
Weight (kg)	80
Operating conditions	
Operating temperature	-25°C to +55°C
Daily average temp	<+40°C
Storage temperature	-40°C to +70°C
Altitude	<1000 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

Ratied Primary Current(A)	Class Combination	Accuracy class and Rated output(VA)			Short-time thermal current (kA/S)	Rated dynamic current (kA)
		0.2(S)	0.5S	5P10/5P20		
20	0.2(S)/0.5(S) 0.2(S)/5P20 0.5(S)/5P10 0.2(S)/0.5(S)/10P	15	15	25	1.3	3.25
30					2	5
40					3	7.5
50					4.5	11.5
75					6	15
100					9	22.5
150					12	30
200					18	45
300					24	60
400					36	90
500					40	100
600-800					50	120
1000-1200					63	130
1500-2000					80	160