

GFLZZW-20KV

MEDIUM VOLTAGE 0.2S/5P20 20KV POST TYPE OUTDOOR CURRENT TRANSFORMER

This model GFLZZW-20KV dry type outdoor current transformer is used in 22KV, 20KV, 17KV and 15KV power system, for measuring and protection. Primary rated current range from 10A to 2000A can be designed. It has been used in outdoor post mounted and transmission line. This product has the characteristics of high efficiency and large capacity, and can be customized according to customer requirements. This model current transformer with secondary 1A and 5A output.

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 less than 22KV distribution power line, coal mine, power plant, rail way, oil, gas, factories... .

All of our GFUVE current transformers are strictly comply IEC60044-1, IEC 61869-2, ANSI/IEEE C57.13, GB1208-2006, GB/T 20840.1-2010, GB/T 20840.2-2014, GB/T 22071.1-2018, IEC/EN61010-2-032, IEC/EN 61010-2-031.

Features

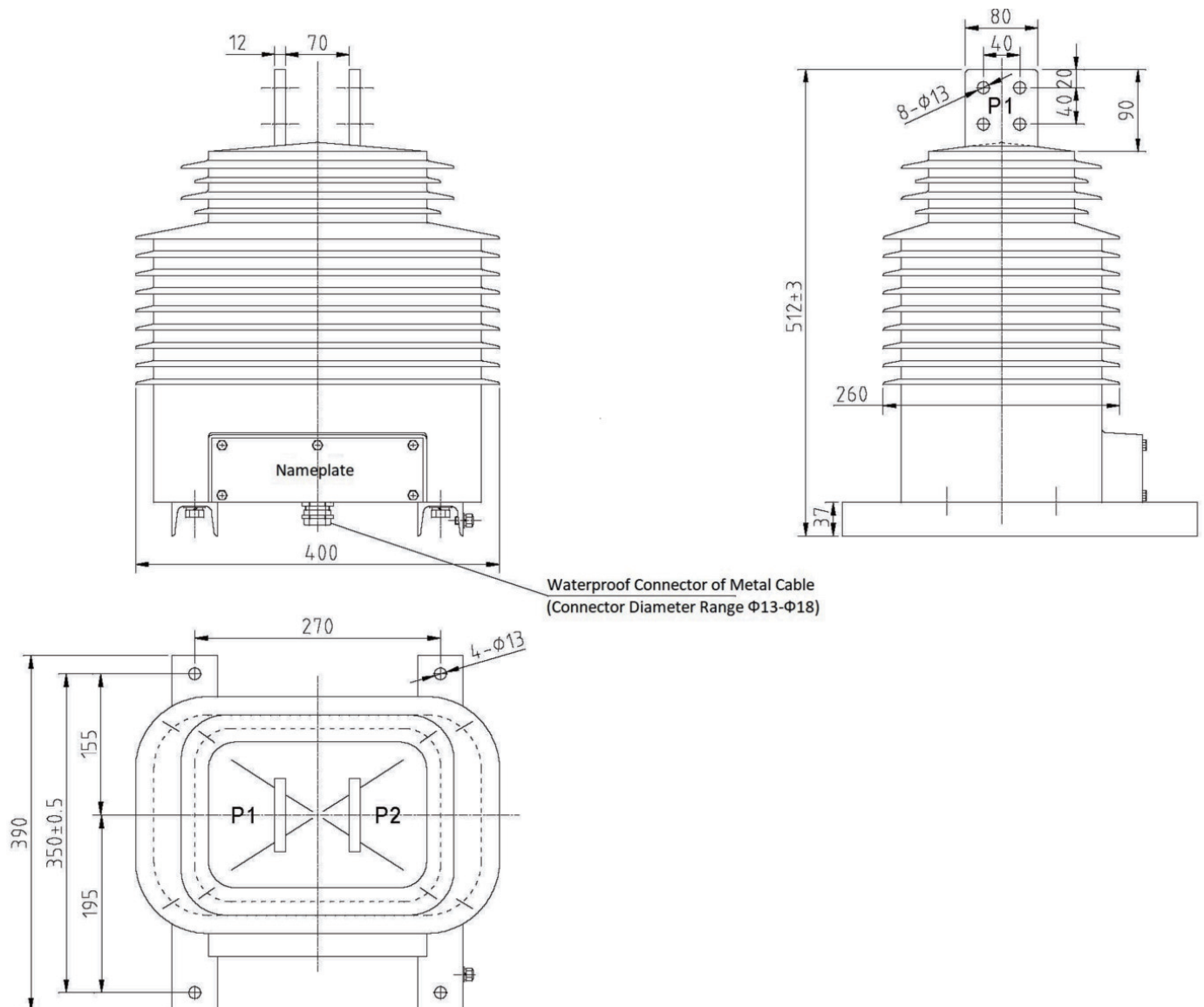
1. Weight: 70KG;
2. Rated voltages up to 22 kV;
3. Using life: more than 30 years;
4. Secondary current output 5A or 1A;
5. 22KV, 20KV, 17KV and 15KV outdoor using;
6. Reasonable structure and robust construction;
7. Rated basic insulation levels (BIL) up to 125 kV;
8. Built-in surge protection for current transformers;
9. Standard & Special High Accuracy metering classes;
10. Material:Epoxy resin & Silicon rubber compound insulation;
11. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20, 10P5;
12. Convenient installation, suitable for installation in any location;
13. High accuracy, extended range ratings for current transformers;
14. Dry-type design, environmentally Friendly & Minimum Maintenance;
15. IEC60044-1, IEC 61869-2, GB/T 20840.1,2 & ANSI/IEEE C57.13, NTC 2205 Standards;



Application

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

Outline Drawing



Parameters

Technical parameters	
Standards	IEC60044-1; IEC 61869-2; NTC 2205; ANSI/IEEE C57.13; GB1208-2006; GB/T 20840.1-2010, GB/T 20840.1,2, GB/T 22071.1-2018
Accuracy Class	0.2S, 0.2, 0.5S, 0.5, 1 (IEC61869-2 standard) 5P20, 5P10, 10P10, 10P20, 10P5
Rated primary current	10-2000A
Rated load	≤50VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Ratio	10/5A,15/5A... 100/5A, 200/5A, 300/5A... 2000/5A or 1A
Rated short-time thermal current	100kA, 1S
Rated continuous thermal current	120%I _{1n}
Rated dynamic current	250kA
Secondary winding power-frequency voltage	3kV, 1min
Rated insulation level	42/50/125KV
Instrument security factor	FS ≤10
Short time withstand current	31.5kA, 3sec
Creepage distance	660mm, 25mm/kV
Type	Outdoor, Post type
Insulation Class	E
IP level	IP65
Rated Voltage level	15KV, 17KV, 20KV, 22KV, 24KV
Pollution class	III
Mechanical parameters	
Dimensions (W×D×H) (mm)	400x390x512
Material	Epoxy resin & Silicon rubber compound
Weight (kg)	70
Operating conditions	
Operating temperature	-40°C to +70°C
Daily average temp	<+40°C
Storage temperature	-40°C to +70°C
Environment	Outdoors
Altitude	<3000 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

Model	Rated Primary Current(A)	Class Combination	Accuracy class and Rated output(VA)						Short-time thermal current	Rated dynamic current (kA)
			0.2S	0.2	0.5s	0.5	0.2/0.5	10P15/5P20		
GFLZZW-22KV	10~75	0.2(S)/0.2(S) 0.2(S)/10P15 0.5/10P15 0.2(S)/5P20 0.5/5P20	20	20	30	30	20/40	20/30	7.5	19
	100~200								150 IIn	375 IIn
	300~400								100 IIn	250 IIn
	500~600								63	158
	700~1000								80	200
	1200~1500								100	250
	1500~2000								100	250
GFLZZW-20KV	10~75	0.2(S)/0.2(S) 0.2(S)/10P15 0.5/10P15 0.2(S)/5P20 0.5/5P20	20	20	30	30	20/40	20/30	7.5	19
	100~200								150 IIn	375 IIn
	300~400								100 IIn	250 IIn
	500~600								63	158
	700~1000								80	200
	1200~1500								100	250
	1500~2000								100	250
GFLZZW-17KV	10~75	0.2(S)/0.2(S) 0.2(S)/10P15 0.5/10P15 0.2(S)/5P20 0.5/5P20	20	20	30	30	20/40	20/30	7.5	19
	100~200								150 IIn	375 IIn
	300~400								100 IIn	250 IIn
	500~600								63	158
	700~1000								80	200
	1200~1500								100	250
	1500~2000								100	250
GFLZZW-15KV	10~75	0.2(S)/0.2(S) 0.2(S)/10P15 0.5/10P15 0.2(S)/5P20 0.5/5P20	20	20	30	30	20/40	20/30	7.5	19
	100~200								150 IIn	375 IIn
	300~400								100 IIn	250 IIn
	500~600								63	158
	700~1000								80	200
	1200~1500								100	250
	1500~2000								100	250

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.