

GFLZZ1235-20A2

20KV HIGH ACCURACY MEDIUM VOLTAGE INDOOR CURRENT TRANSFORMER

This model GFLZZ1235-20A2 indoor dry type current transformer is used in 15kV, 17.5kV, 20kV, 22kV and 24kV 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 less than 20KV distribution cabinet, Coal mine, power plant, Rail way, factories.. . The 20KV indoor current transformers are strictly in conformity with IEC60044, IEC 61869, ANSI/IEEE C57.13, NBR6855 etc.

Features

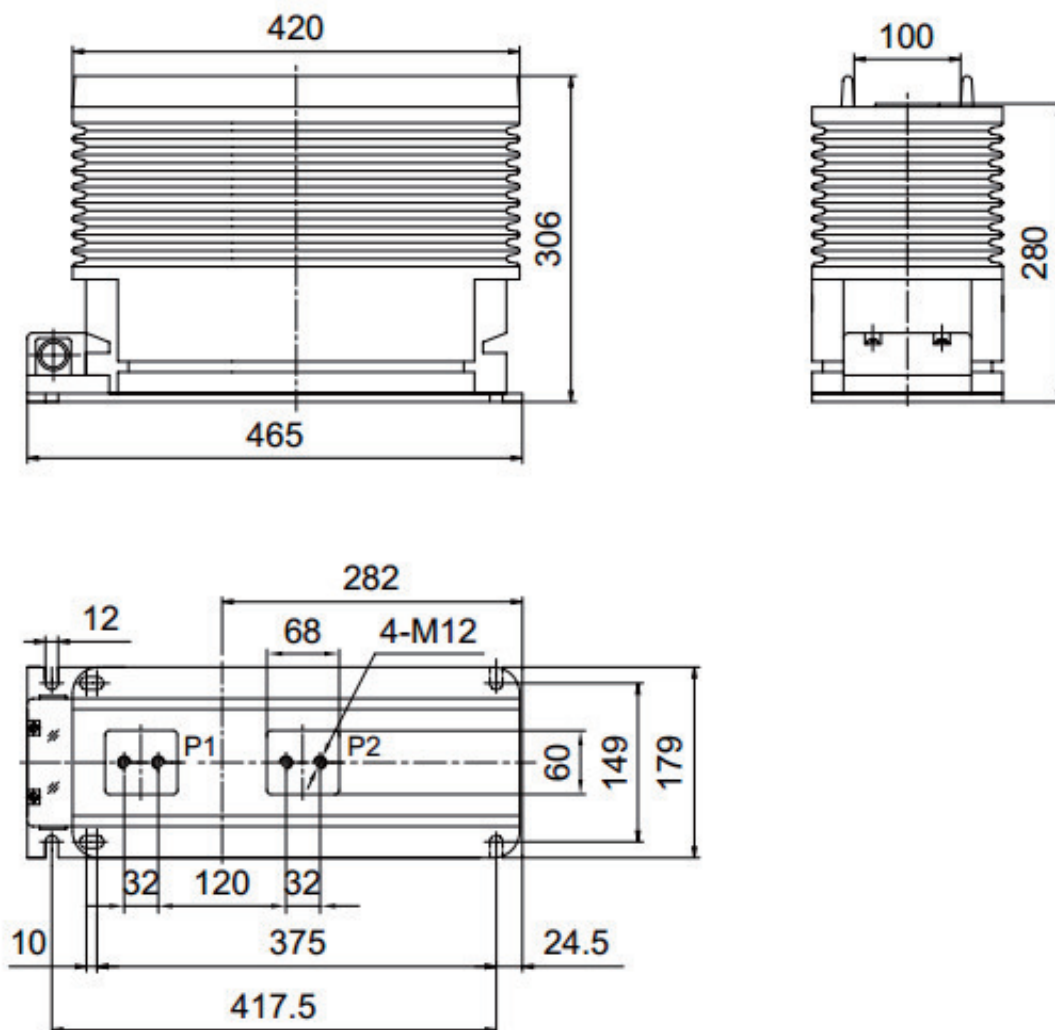
1. Weight: 28KG;
2. Using life: 30 years;
3. Rated voltages up to 24 kV;
4. Secondary current output 5A or 1A;
5. 15KV 17.5KV 20KV 24KV indoor using;
6. Reasonable structure and robust construction;
7. Material: Epoxy(HCEP) + outdoor silicone cover;
8. Rated basic insulation levels (BIL) up to 125 kV;
9. Standard & Special High Accuracy metering classes;
10. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20;
11. Convenient installation, suitable for installation in any location;
12. Dry-type design, environmentally Friendly & Minimum Maintenance;
13. 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. Energy meter;
5. Power Meter;
6. Power station;
7. Oil, gas company;
8. Air switch cabinet;
9. Distribution system;
10. Ring network cabinet;
11. Electric Power Bureau;
12. Measuring instrument;
13. Primary metering cabinets;
14. MV Power Quality Analyzer;
15. Industrial and mining enterprises;
16. Substation metering and relaying;

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	20KV, 17KV, 15KV
Rated primary current	20-1200A
Rated load	≤20VA
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	24/65/125KV
Using type	Indoor
Application	Measurement and Protection
Insulation class	E
FS	≤10

Mechanical parameters

Material	Epoxy resin
Weight (kg)	28

Operating conditions

Operating temperature	-25°C to +55°C
Daily average temp	<+40°C
Storage temperature	-40°C to +70°C
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

Rated Primary Current(A)	Class Combination	Accuracy class and Rated output (VA)	Short-time thermal current (kA/S)	Rated dynamic current (kA)
20 ~ 150	0.2/0.2	10/10	150 I _{1n}	375 I _{1n}
	0.2/0.5	10/10		
200	0.2/10P10	10/20	31.5	80
	0.5/10P10	10/20		
300-500	0.2/10P15	10/15	45	112.5
	0.5/10P15	10/15		
600-800	0.2/0.2	15/15	63	130
	0.2/0.5	15/20		
	0.2/10P10	10/20		
	0.5/10P10	15/20		
1000-1200	0.2/10P15	10/15	80	160
	0.5/10P15	15/15		