GFLZZ0954-10E

1A 5A OUTPUT MV INDOOR 12KV CURRENT TRANSFORMER

This model GFLZZ0954-10E dry type indoor current transformer is used in 12KV, 11KV, 10KV, 6KV and 3kV power system, for measuring and protection. It has been used in indoor pole 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 12KV distribution cabinet, coal mine, power plant, rail way, factories.. . The 12KV indoor current transformers are strictly in conformity with IEC60044, IEC 61869, ANSI/IEEE C57.13, NBR6855 etc.

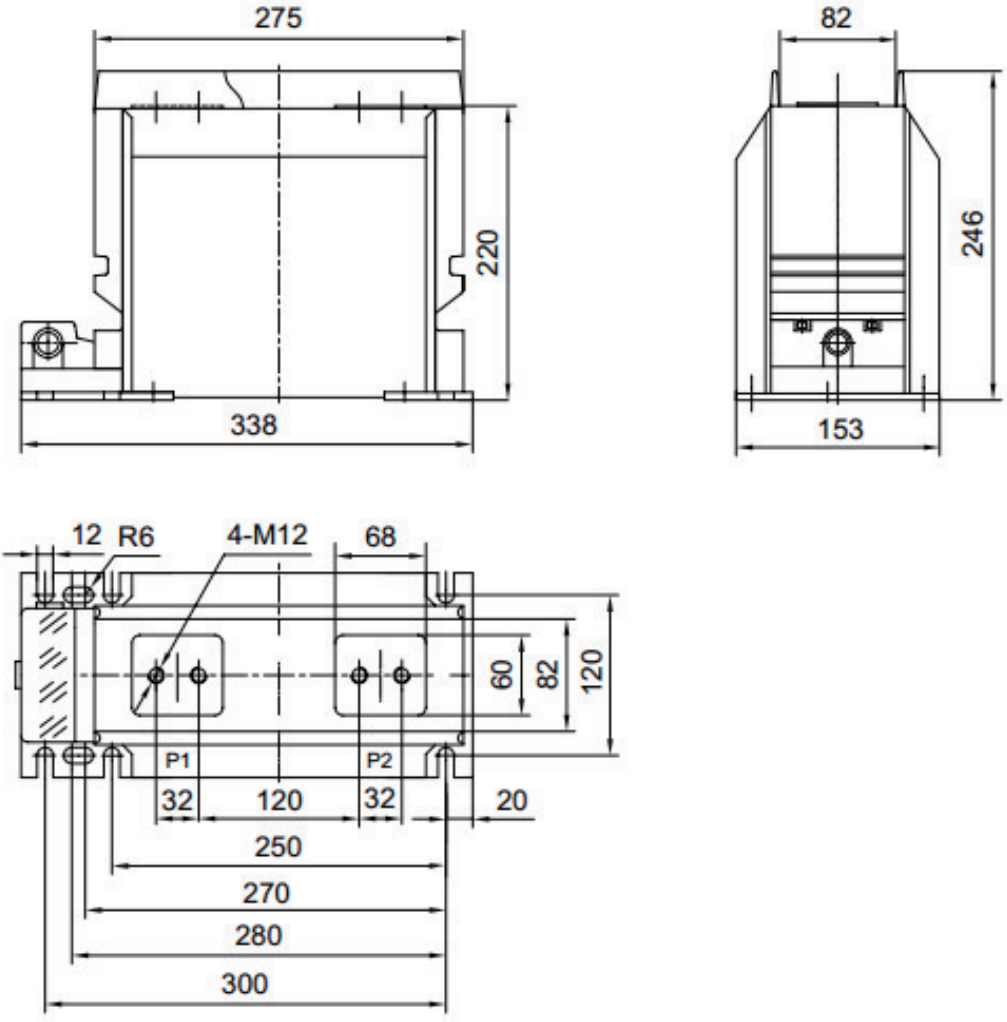
Features

1. Weight: 23KG;
2. Using life: 30 years;
3. Material:Epoxy(HCEP) ;
4. Rated voltages up to 12 kV;
5. Secondary current output 5A or 1A;
6. 3KV 6KV 10KV 11KV 12KV indoor using;
7. Rated basic insulation levels (BIL) up to 75 kV;
8. Reasonable structure and robust construction;
9. Built-in surge protection for current transformers;
10. Standard & Special High Accuracy metering classes;
11. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20;
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 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. 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. Substation metering and relaying;
16. 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	12KV, 11KV, 10KV, 6KV, 3KV
Rated primary current	5-1250A
Rated load	≤15VA
Rated frequency	50Hz or 60Hz
Rated secondary current	5A or 1A
Rated short-time thermal current	140kA, 1S
Rated dynamic current	350kA
Rated insulation level	12/42/75KV
Using type	Indoor
Application	Measurement and Protection
Insulation class	E
FS	⩽10
Mechanical parameters	
Material	Epoxy resin
Weight (kg)	23
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

Ratied Primary Current(A)	Class Combination	Accuracy class and Rated output(VA)		Short-time thermal current (kA/S)	Rated dynamic current (kA)
		0.2/0.5	10P15/5P20		
5-150	0.2(S)/10P15 0.5/10P15 0.2(S)/5P20 0.5/5P20	10	15	150 I1n	375 I1n
200				36	90
300				45	100
400-600				63	150
800-1000				100	250
1250				140	350