GFJZFW-24W3

24KV MULTI WINDINGS HIGH ACCURACY OUTDOOR POTENTIAL TRANSFORMER

GFJZFW-24W3 24KV high accuracy potential transformer are designed for metering and protection applications. This product has the characteristics of high efficiency and large capacity, and can be customized according to customer requirements. Applied for outdoor service; suitable for operating meters, instruments, relays and control devices.

The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution.Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double-loop cores are assembled to a support frame.

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. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

It can be used for 24KV distribution line, Coal mine,power plant,Rail way, factories.. . Strictly Comply IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13.

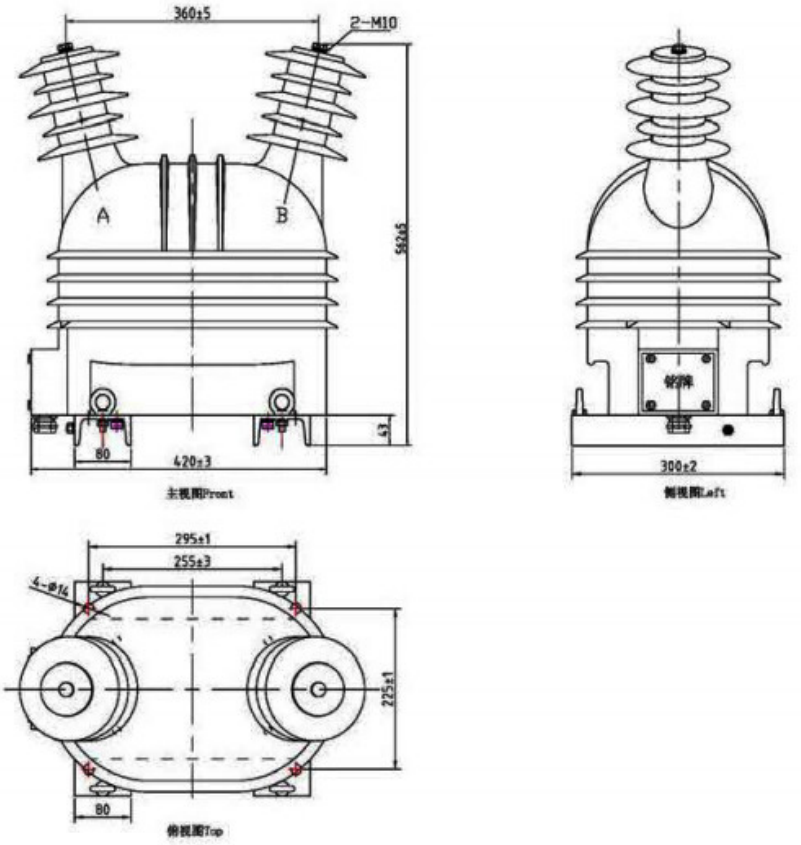
Features

1. Weight: 65KG;
2. Using life: 30 years;
3. Material:Epoxy(HCEP);
4. Rated voltages up to 24 kV;
5. 15KV 17KV 20KV 24KV Outdoor;
6. Accuracy class: 0.2 0.5 1 3 3P 6P;
7. Limiting Therminal Output(VA): 500VA;
8. Reasonable structure and robust construction;
9. Rated basic insulation levels (BIL) up to 125 kV;
10. Standard & Special High Accuracy metering classes;
11. Rated Voltage Ratio(KV) 20/0.22/0.22 or 20/0.1/0.1;
12. Excellent short circuit and thermal withstand capabilities;
13. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
14. Convenient installation, suitable for installation in any location;

Appliations

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

Outline drawing



Parameters

Technical parameters	
Standards	IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13; GB20840-1,3
Rated primary voltage	24KV, 20KV, 17KV, 15KV
Rated load	≤100VA
Rated frequency	50Hz or 60Hz

Parameters

Technical parameters - continued	
Rated secondary voltage(KV)	0.1, 0.1/ √3, 0.1/3, 0.11, 0.12, 0.22, 0.38
Cosø	0.8 (lag)
Phase number	single phase
Class	0.2, 0.5, 1, 3, 3P, 6P
Windings	single, double, three windings
Rated insulation level	24/65/125KV
Installation	outdoor
Surface creepage distance	562mm
Application	Measurement and Protection
Class of pollution	IV
Mechanical parameters	
Material	Epoxy resin + silicone sleeve
Weight (kg)	65
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 Voltage(KV)	Rated Voltage radio	Rated frequency(Hz)	Accuracy class or accuracy class conbination	Rated output	Thermal limiting output (VA)
20	20/0.1	50,60	0.2	45	500
			0.5	100	500
	20/0.1/0.1	50,60	0.2/0.5	30/30	300
			0.5/0.5	75/75	300
	20/ √3:0.1/ √3:0.1/3	50,60	0.2/6P(3P)	30/100	400
			0.5/6P(3P)	50/100	400
	20/ √3:0.1/ √3:0.1 √3:0.1/3	50,60	0.2/0.5/6P(3P)	15/20/100	300
			0.5/0.5/6P(3P)	30/50/100	300