

GFJDZW-10RG

10KV 11KV 12KV 0.2/3P OUTDOOR DOUBLE POLE VOLTAGE TRANSFORMER

GFJDZW-10RG High Accuracy 12kV Outdoor Voltage transformers are designed for outdoor metering and relaying applications. It can be used in voltage level 3kV, 6kV, 10kV, 11kV, 12kV power system. This product has the characteristics of high precision and large capacity, and can be customized according to customer requirements.

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.

It can be used for medial voltage AIS, or can be used for medial voltage switchgears. They can operate in all kinds of environments (such as wide range temperature (-50~70℃), high altitude, high humidity, high pollution or salt).

All of our indoor voltage transformers are strictly comply IEC60044-2, IEC 61869-1,3, IEC 60186, ANSI/IEEE C57.13, BS 7729, GB1207-2006, GB/T 20840.3-2013, GB/T 22071.2-2017, GB/T 20840.102-2020.

Features

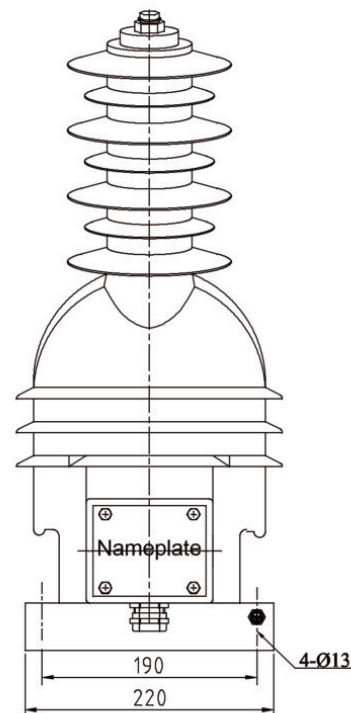
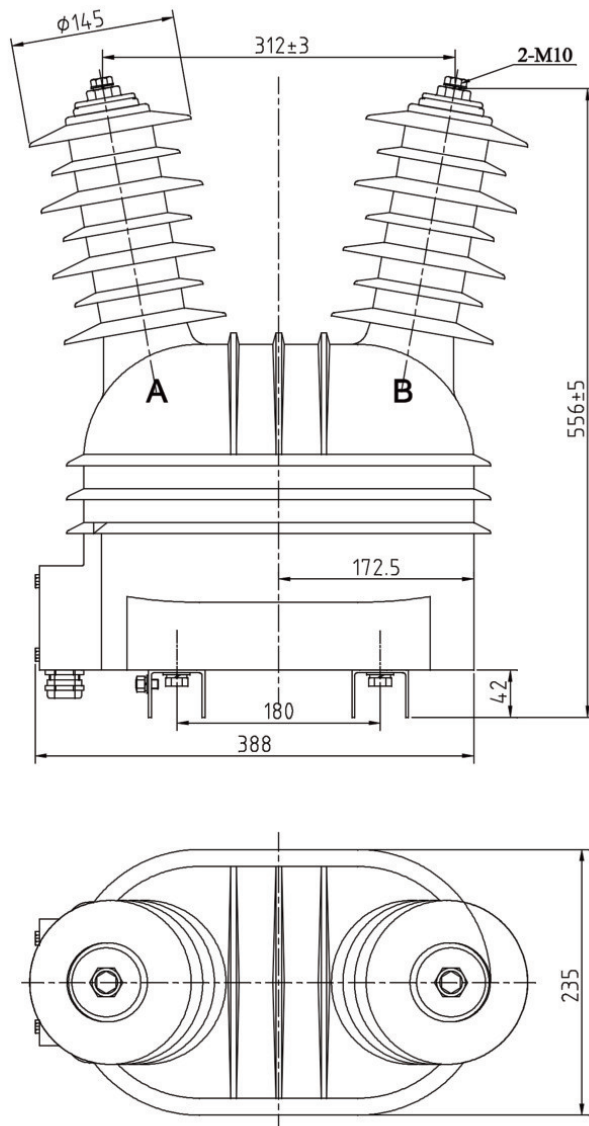
1. Weight: 33KG & 38KG;
2. High quality silicon steel;
3. Primary with fuse protection;
4. Accuracy class: 0.2 0.5 1 3 3P 6P;
5. Limiting Thermal Output 1000(VA);
6. Material: Epoxy Resin & silicon rubber;
7. Surface creepage distance: 740mm & 840mm;
8. Rated basic insulation levels (BIL) up to 75 kV;
9. Reasonable structure and robust construction;
10. Hydrophobic Cycloaliphatic Epoxy Resin (HCEP);
11. Measurement or Protection voltage transformer;
12. 3KV 6KV 7.62kV 8.4kV 10KV 11KV 12KV Outdoor using;
13. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
14. Excellent short circuit and thermal withstand capabilities;
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16. Secondary voltage (KV): 0.1, 0.12, 0.22, 0.24, or with $\sqrt{3}$;
17. Convenient installation, suitable for installation in any location;
18. Convenient installation, suitable for installation in any location;
19. Rated voltage primary (KV): 12, 11, 10, 8.4, 7.62, 6,3 and $10/\sqrt{3}$, $6/\sqrt{3}$, $3/\sqrt{3}$;
20. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;



Applications

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

Outline Drawing



Parameters

Technical parameters	
Standards	IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13; GB1207-2006; GB/T 20840.1-2010, GB/T 20840.3-2013, GB/T 22071.2-2017, GB/T 20840.102-2020 , BS 7729 , IEC 60186
Accuracy Class	0.2, 0.5, 1, 3, 3P, 6P
Rated Voltage	12KV, 11KV, 10KV, 8.4KV, 7.62KV, 6KV, 3KV
Highest system voltage	14.5KV
Rated load	≤30VA or 80VA or 200VA
Thermal rating burden	1000VA
Secondary voltage output	100V, 110V, 115V, 120V, 220V, 240V , 380V
Rated frequency	50/60Hz
Cosø	0.8 (lag)
Phase number	Single phase
Core	1, 2
Connection method	Delta, Star
With fuse	Yes, 0.5A
Using type	Outdoor
Application	Measurement and Protection
Rated insulation level	12/42/75KV, 7.2/32/60KV
Insulation class	E or B
Class of pollution	IV
Mechanical parameters	
Material	Epoxy resin + silicone sleeve
Dimensions (W×D×H) (mm)	388×235×556
Weight (kg)	33, 38
Color	Red or white, customized
Working conditions	
Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +70°C
Daily average temp	<+40°C
Relative Air Humidity	15%-85%
Environment	outdoors
Altitude	<3000 meters
Conditions	No existence of severely begrimed, erosive and radioactive gas in the air. Continuous working under the rated voltage is allowed.

Selection Guide

Model	Rated voltage radio(V)	Accuracy class and Rated secondary output(VA)	Limited output (VA)	Rated insulation level(KV)	Surface creepage distance (mm)	Primary fuse (A)	Weight (KG)
GFJDZW-3	3000/100	0.2---40	1000	3.6/23/40	740	0.5	38
GFJDZW-6	6000/100	0.5---80		7.2/32/60			
	10000/100	1---200		12/42/75		0.2	
GFJDZW-10	10000/220	3---300					
		0.2---40 0.5---80 1---200 3---600					
	10000/100/100	0.2/0.2---2S/2S 0.2/0.5---2S/2S 0.5/0.5---40/40	500/800				
	10000/100/200	0.2/3---40/300 0.2/3---80/300	600	3.6/23/40		0.5	
GFJDZXW-3RG	3000/√3 /100/√3/ 100/√3	0.2/6P(3P)---20/100		7.2/32/60			
GFJDZXW-6RG	6000/√3 /100/√3 /100/√3	0.5/6P(3P)---50/100		12/42/75	0.2		
	10000/√3 /100/√3 /100/√3	1/6P(3P)---150/100 3/6P(3P)---250/100	300/300				
GFJDZXW-10RG	10000/√3 100/√3 100/√3 100/√3	0.2/0.2/6P(3P)---15/15/100 0.2/0.5/6P(3P)---15/15/100 0.5/0.5/6P(3P)---40/40/100		400	3.6/23/40	820	0.5
GFJDZW2-3	3000/100	0.2---20	7.2/32/60				
GFJDZW2-6	6000/100	0.5---50	12/42/75		0.2		
	10000/100	1---80					
	10000/220	3---150					
GFJDZW2-10	10000/100/100	0.2/0.2---10/10 0.2/0.5---10/15 0.5/0.5---25/25	200/200	200/350			
	10000/100/220	0.2/3---20/150 0.5/3---50/150 1/3---80/150					