GFJSZW-10WF

FIVE POLE THREE PHASE OUTDOOR VOLTAGE TRANSFORMER FOR POLE TOP SWITCH

GFJSZW-10WF high accuracy three phase Outdoor Voltage transformers are designed for outdoor metering and relaying applications. This product is a five leg type has the characteristics of high precision and large capacity, and can be customized according to customer requirements.

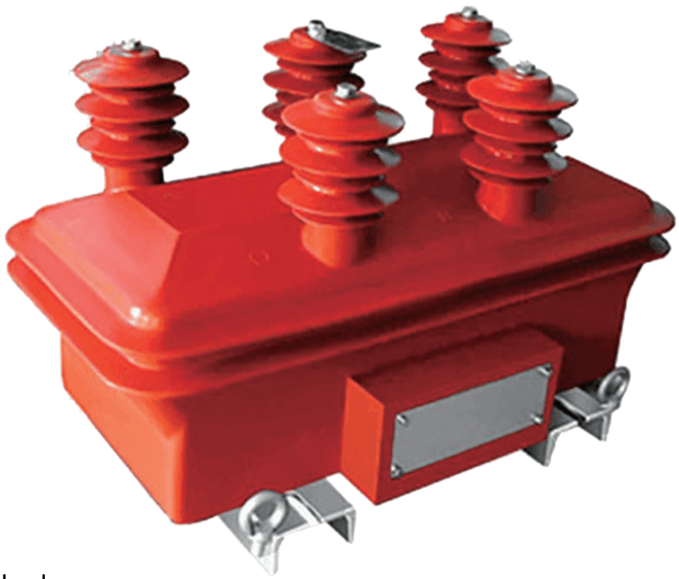
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double-loop cores are assembled to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

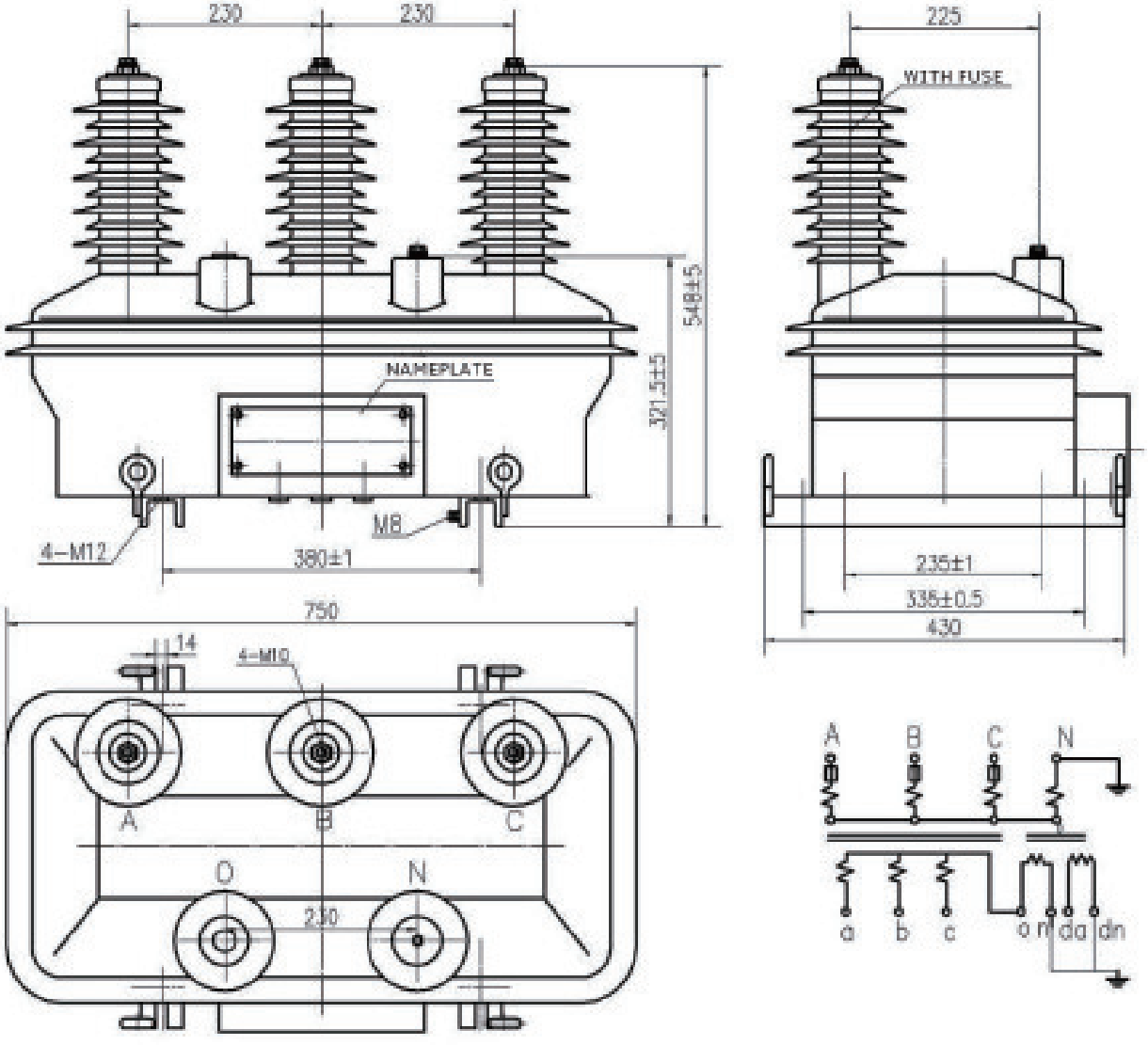
1. Weight:155KG;
2. Five pole design;
3. High quality silicon steel;
4. Rated voltages up to 12 kV;
5. Seconday voltage: (KV) 0.1√3;
6. 3KV 6KV 10KV 12KV Outdoor using;
7. Limiting Therminal Output 600(VA);
8. Design using for more than 30years;
9. Accuracy class : 0.2, 0.5, 1, 3, 3P, 6P;
10. Surface creepage distance: 570mm;
11. Material:Epoxy Resin & silicon rubber;
12. The PT design is suitable for plateau climate;
13. Reasonable structure and robust construction;
14. Rated voltage primary (KV): 10/√3 ,6/√3 ,3/√3;
15. Measurement or Protection voltage transformer;
16. IEC60044-2, IEC 61869-1,3 & ANSI/IEEE C57.13 Standards;
17. Excellent short circuit and thermal withstand capabilities;
18. Convenient installation, suitable for installation in any location;
19. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;



Appliations

1. Rail way;
2. Coal Mine;
3. Power plant;
4. Energy meter;
5. Power Meter;
6. Power station;
7. Oil, gas company;
8. Solar power plant;
9. Wind power plant;
10. Distribution system;
11. Measuring instrument;
12. Electric Power Bureau;
13. MV Power Quality Analyzer;
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
Highest system voltage	12KV
Rated load	≤3×100VA
Thermal rating burden	600VA
Secondary voltage output	100V, 110V, 115V, 120V, 220V, 240V
Rated frequency	50/60Hz
Cosø	0.8 (lag)
Phase number	Three phase
Core	1, 2, 3
Connection method	Delta
Rated insulation level	12/42/75KV, 7.2/32/60KV
With fuse	Yes, 0.5A
Insulation class	E or B
Class of pollution	IV
Mechanical parameters	
Material	Epoxy resin + silicone sleeve
Dimensions (W×D×H) (mm)	374×225×320
Weight (kg)	155
Color	Red or customized
Working conditions	
Operating temperature	-40°C to +70°C
Storage temperature	-50°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)
GFJSZW-3WF	3000/√3 100/√3 /100	0.2/6P(3P)---3×30/100 0.5/6P(3P)---3×60/100 1/6P(3P)---3×100/100 3/6P(3P)---3×200/100	3×600	3.6/23/40	570	0.5	155
GFJSZW-6WF	6000/√3 100/√3 /100			7.2/32/60			
GFJSZW-10WF	10000/√3 100/√3 /100			12/42/75		0.2	
GFJSZW-6WF	6000/√3 100/√3 100/√3 /100	0.2/0.2/6P(3P)---3×15/3×15/100	3 × 200	7.2/32/60		0.5	
GFJSZW-10WF	10000/√3 100/√3 100/√3 /100	0.2/0.5/6P(3P)---3×15/3×15/100	3 × 200	7.2/32/60		0.5	