

GFJDZX9-33SG

0.2/3P CLASS SINGLE POLE 33KV INDOOR VOLTAGE TRANSFORMER

GFJDZX9-33SG is one dry type indoor service voltage transformer. The core is encapsulated with type B epoxy resin which provides excellent internal dielectric properties and mechanical strength, ensuring a long mechanical and electrical life. The voltage transformer is maintenance free.

The core is built with high permeability grain oriented silicon steel laminations for low losses. The windings are copper wire with copper plate double isolation. The concentric distribution of the coils prevents magnetic flux leakage, achieving greater accuracy and higher capacity to withstand mechanical stresses in adverse operating conditions. Its limiting thermal Output can reach 800(VA) It has excellent short circuit and thermal withstand capabilities.

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

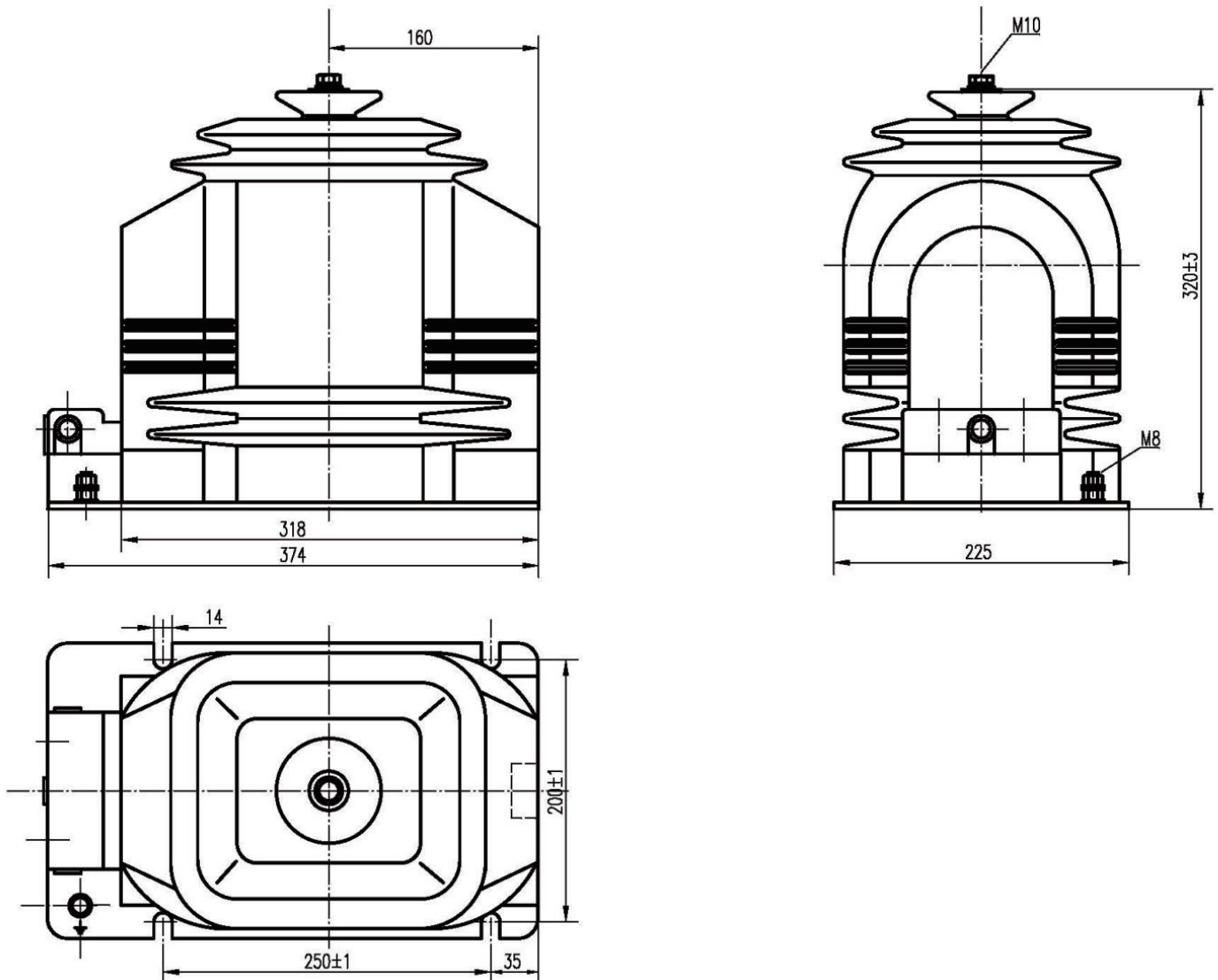
1. Weight: 50KG;
2. Small size design;
3. Rated voltages up to 36 kV;
4. Accuracy class: 0.2, 0.5, 1, 3, 3P, 6P;
5. Limiting Thermal Output 800(VA);
6. Design using for more than 30 years;
7. Measuring and protection class using;
8. The PT design is suitable for plateau climate;
9. Reasonable structure and robust construction;
10. Rated basic insulation levels (BIL) up to 250 kV;
11. Hydrophobic Cycloaliphatic Epoxy Resin (HCEP);
12. Measurement or Protection voltage transformer;
13. Material: High quality silicon steel and Epoxy Resin;
14. Excellent short circuit and thermal withstand capabilities;
15. Convenient installation, suitable for installation in any location;
16. The windings are copper wire with copper plate double isolation;
17. IEC60044-2, IEC 61869-1,3; ANSI/IEEE C57.13, IEC 60186 standard;
18. Rated voltage ratio (KV): $33/\sqrt{3}/0.1/\sqrt{3}$, $33/\sqrt{3}/0.22/\sqrt{3}$, $33/\sqrt{3}/0.1/\sqrt{3}/0.1/\sqrt{3}$;
19. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;



Applications

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|---------------------------|--------------------------------|---------------------------|
| 1. Rail way; | 2. Coal Mine; | 3. Power Plant; |
| 4. Energy meter; | 5. Power Meter; | 6. Power station; |
| 7. MV switchgears; | 8. Capacitor banks; | 9. Power generation; |
| 10. Distribution system; | 11. Air insulation cabinet; | 12. Ring network cabinet; |
| 13. Measuring instrument; | 14. MV Power Quality Analyzer; | |

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	33KV
Highest system voltage	36KV
Rated load	≤30VA or 80VA or 200VA
Thermal rating burden	800VA
Secondary voltage output	100V, 110V, 120V, 220V, 240V , 380V
Rated frequency	50/60Hz
Cosφ	0.8 (lag)
Phase number	Single
Core	1, 2
Connection method	Star
Rated insulation level	50/95/250KV
Insulation class	E or B
Class of pollution	II
Mechanical parameters	
Material	Epoxy resin
Dimensions (W×D×H) (mm)	371×240×488
Weight (kg)	50
Color	Red or 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	Indoors
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 Ratio(KV)	Accuracy class and Rated output (VA)					Limiting Thermal Output(VA)	Rated insulation level (KV)
		0.2	0.5	1	0.2/3P	0.2/6P		
GFJDZX9-33SG	33/√3/0.1/√3	30	50	250			500	50/95/250
	33/√3/0.22/√3	30	50	250			500	
	33/√3/0.1/√3/0.1/√3	15/15	30/30	100/100	20/30	20/30	400/400	
	33/√3/0.22/√3/0.22/√3	15/15	30/30	100/100	30/30	30/30	500/800	
GFJDZX9-34.5SG	34.5/√3/0.12/√3	30	50	250			500	50/95/250
	34.5/√3/0.22/√3	30	50	250			500	
	34.5/√3/0.12/√3/0.12/√3	15/15	30/30	100/100	20/30	20/30	400/400	
	34.5/√3/0.22/√3/0.22/√3	15/15	30/30	100/100	30/30	30/30	500/800	
GFJDZX9-35SG	35/√3/0.1/√3	30	50	250			500	50/95/250
	35/√3/0.22/√3	30	50	250			500	
	35/√3/0.1/√3/0.1/√3	15/15	30/30	100/100	20/30	20/30	400/400	
	35/√3/0.22/√3/0.22/√3	15/15	30/30	100/100	30/30	30/30	500/800	