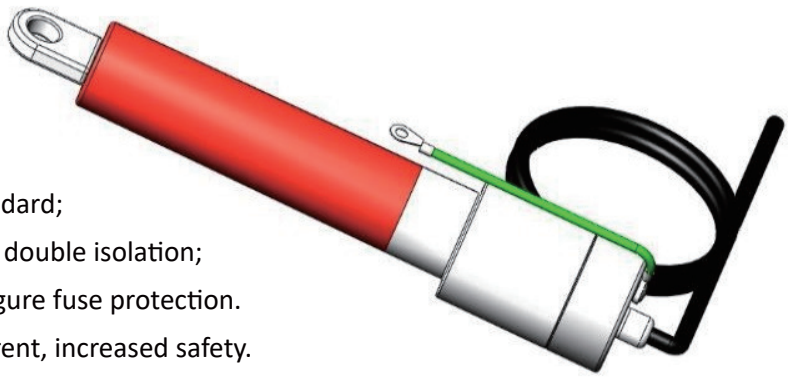
GFEVT-C1-10

ING MAIN UNIT 12KV INDOOR ELECTRONIC VOLTAGE TRANSFORMER

The GFEVT-C1-10 series of electronic voltage transformers is a capacitive voltage divider structure, epoxy resin casting, fully enclosed insulation, safe and reliable, suitable for voltage measurement (metering) and protection in equipment with a maximum voltage of 12 kV and below AC 50/60 Hz power lines. This product has the characteristics of high precision and large capacity, and can be customized according to customer requirements. It is used by Air insulation cabinet, as protection voltage transformer and measurement voltage transformer in less than 12KV power system. It was designed with reasonable structure and robust construction.

All of our indoor voltage transformers are strictly comply IEC60044-7, IEC 61869-6, ANSI/IEEE C57.13, GB1207-2006, GB/T 20840.7, GB/T 22071.2-2017, GB/T 20840.102-2020.

Features



1. Weight:2KG;
2. Rated voltages up to 12 kV;
3. Accuracy class: 0.2, 0.5, 1, 3, 3P, 6P;
4. Measuring and protection class using;
5. Small size, light weight, and easy installation.
6. Rated basic insulation levels (BIL) up to 75 kV;
7. Can measure DC and low-frequency AC signals.
8. IEC60044-7; IEC 61869-6; ANSI/IEEE C57.13 standard;
9. The windings are copper wire with copper plate double isolation;
10. No ferromagnetic resonance, no need to configure fuse protection.
11. No risk of secondary short circuit and high current, increased safety.
12. Rated voltage ratio (KV): 3KV/√3, 6KV/√3, 10KV/√3 or 11KV/√3 /3.25V/√3/6.5V/3;
13. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;
14. Product standardization, simplified selection and ordering process, and fast delivery.
15. Can achieve measurement of phase sequence or zero sequence voltage and sampling of protection signals.
16. The secondary output is a safe low voltage signal, greatly reducing power consumption and generating less heat.
17. Combined with multifunctional intelligent feeder terminals (FTUs), these excellent features will bring great improvements to power protection and monitoring.

Appliations

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

Parameters

Technical parameters	
Standards	IEC60044-7; IEC 61869-6; ANSI/IEEE C57.13; GB1207-2006; GB/T 20840.6, GB/T 20840.7
Accuracy Class	0.2, 0.5, 1, 3, 3P, 6P
Rated Voltage	12KV, 11KV, 10KV, 6KV, 3KV
Load impedance	≥5M
Rated voltage coefficient	1.2Un continue /1.9Un/8h
Secondary voltage output	3.25V, 6.5V
Rated frequency	50/60Hz
Cosø	0.8 (lag)
Phase number	Single
Connection method	Star
Rated insulation level	12/42/75KV, 7.2/32/60KV, 3.6/25/40KV
Insulation class	E
Partial discharge	14.4kV，≤5pC
Output Signal cable	RVSP Shield line L = 2.5 m (length can be customized)
Mechanical parameters	
Material	Epoxy resin
Dimensions (W×D×H) (mm)	274×190×φ60
Weight (kg)	2.0
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
Environment	indoors
Altitude	<1000 meters
Conditions	No existence of severely begrimed, erosive and radioactive gas in the air. Continuous working under the rated voltage is allowed.