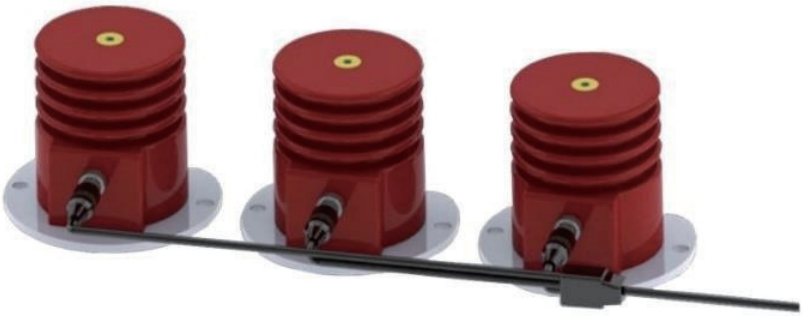
GFEVT-C2-10

12KV INDOOR THREE PHASE ELECTRONIC VOLTAGE TRANSFORMER

GFEVT-C2-10 High accuracy Indoor voltage transformer is used for metering and relaying on less than 12kV circuits. The series electronic voltage sensors are made of epoxy resin casting, fully enclosed insulation, safe and reliable. They are suitable for installing common box outdoor pole mounted circuit breakers (ZW20) or outdoor pole mounted load switches (FZW28) with good anti condensation performance. They are suitable for zero sequence voltage measurement and protection in AC 50/60 Hz lines with a maximum voltage of 12 kV and below.

All of our indoor voltage transformers are strictly comply IEC60044-7, IEC 61869-6, ANSI/IEEE C57.13, GB1207-2006, GB/T 20840.6, GB/T 20840.7, GB/T 22071.2-2017, GB/T 20840.102-2020.

Features



1. Small size design;
2. Multi-winding ratio design;
3. Rated voltages up to 12 kV;
4. Accuracy class: 0.2, 0.5, 1, 3, 3P, 6P;
5. Measuring and protection class using;
6. Small size, light weight, and easy installation.
7. Rated basic insulation levels (BIL) up to 75 kV;
8. Can measure DC and low-frequency AC signals.
9. IEC60044-2; IEC 61869-1,3; ANSI/IEEE C57.13 standard;
10. Convenient installation, suitable for installation in any location;
11. The windings are copper wire with copper plate double isolation;
12. No ferromagnetic resonance, no need to configure fuse protection.
13. No risk of secondary short circuit and high current, increased safety.
14. Partial Discharge measurements exceed the IEEE/IEC and CAN/CSA requirements;
15. Rated voltage ratio (KV): 3KV/√3, 6KV/√3, 10KV/√3 or 11KV/√3 /3.25V/√3/6.5V/3;
16. Product standardization, simplified selection and ordering process, and fast delivery.
17. Can achieve measurement of phase sequence or zero sequence voltage and sampling of protection signals.
18. The secondary output is a safe low voltage signal, greatly reducing power consumption and generating less heat.
19. 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	Three
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)	390×151×101.5
Weight (kg)	10.0
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.