

12 / 24 kV EPOXY-CAST VOLTAGE TRANSFORMER

*Power Source for
Circuit Breaker Operation and Lighting*



EPF-20DZ

Introduction

Single-phase indoor-use voltage transformer *EPF-20DZ*, intended for a 12 or 24 kV power system, is designed for the measuring and monitoring of the voltage signal.

Due to its continuous output capacity of 4000VA (max.), this voltage transformer can be used in a small substation or a switchgear panel as a power source for circuit breaker operation and lighting equipment. This setup helps to conserve space and reduce cost.

In addition, the *EPF-20DZ* voltage transformer can be connected to one or two smaller-capacity voltage transformers to form a three-phase voltage transformer (3 Φ VT). This can be done via a V-V or Y-Y connection.

Cast in self-extinguishing Araldite® epoxy resin, the *EPF-20DZ* voltage transformer is characterized by superior insulation and excellent safety.

Features

- Standard: IEC or IEEE
- System Voltage: 12 or 24 kV
- Frequency: 50 or 60 Hz
- Power source for circuit breaker operation and lighting
- Option: Forming a three-phase VT through connection with one or two smaller-capacity voltage transformers (via a V-V or Y-Y connection)
- No risk of oil leakage
- Self-extinguishing
- Includes a fuse on the secondary side
- Other standards and specifications available

Selection Table

Model	Primary Voltage	Secondary Voltage	Burden / Accuracy	AC / BIL	Thermal Burden	Creepage
EPF-20DZ	22 or 11 kV	110 V	500VA / 0.5CL 200VA / 0.3CL	50 / 125 kV	4000VA	531 mm
	22 kV	220-110 V *			4000-2000VA	

* This specification comes with an added tap in the secondary winding so as to offer two voltage ratios (22-11 kV).



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