

# 10/20kV Epoxy-Cast Potential Transformer

Power Source for Circuit Breaker Operation and Lighting

**EPF-20DZ**

Single-phase indoor-use potential 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 potential 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* potential transformer can be connected to one or two smaller-capacity potential transformers to form a three-phase potential transformer (3 $\phi$  PT). This can be done via a V-V or Y-Y connection.

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

## Features

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



## Selection Table

Model	Specifications		Burden / Accuracy	AC / BIL (kV)	Other Information	
	Primary Voltage (kV)	Secondary Voltage (V)			Thermal Burden (VA)	Creepage (mm)
EPF-20DZ	22 or 11	110	500VA/1.0	50/125	4000	531
	22	220-110**			4000-2000	

\* Other standards and specifications available.

\*\* 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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