Grid Solutions

MODEL JEV-0C

Indoor Voltage Transformer

10 kV BIL
69-600 V

Clear Plastic Cover

Application

Designed for indoor service; suitable for operating meters, instruments, relays and control devices.

Regulatory Agency Approvals

UL Recognized.....File E93779

Weight

(Approximate).....12.5 lbs

Insulation Level

0.6 kV; BIL 10 kV full wave

Thermal Rating

55°C Rise above 30°C Ambient.....300 VA
30°C Rise above 55°C Ambient.....200 VA

Reference Drawings

Outline.....0122C33699

Frequency

60 Hz

JEV-0C Product Data

CIRCUIT LINE TO LINE VOLTAGE	PERMISSIBLE TRANSFORMER PRIMARY CONNECTION	TRANSFORMER RATING		ANSI ACCURACY CLASSIFICATION 60 Hz		CATALOG NUMBER			RECOMMENDED PRIMARY FUSE RATING
				BURDEN PER ANSI					
		PRIMARY VOLTAGE (1)	RATIO	OPERATED AT RATED VOLTAGE	OPERATED AT 58% OF RATED VOLTAGE	NOT FUSED	PRIMARY FUSES ONLY	PRIMARY AND SECONDRY FUSES	AMPS
120	Y only	69.3	0.578:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235001	760X235021	760X235041	10.0
120 208	Δ or Y Y only	120	1:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235002	760X235022	760X235042	6.0
208	Δ or Y	207.8	1.732:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235003	760X235023	760X235043	4.0
240 416	Δ or Y Y only	240	2:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235004	760X235024	760X235044	4.0
480	Y only	288	2.4:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235005	760X235025	760X235045	3.0
480	Y only	300	2.5:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235006	760X235026	760X235046	3.0
480 832	Δ or Y Y only	480 Ψ	4:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235009	760X235028	760X235048	2.0
600 1,040	Δ or Y Y only	600 Ψ	5:1	0.3 W 0.6 X 1.2 M	0.6 W 1.2 X	760X235009	760X235029	760X235049	1.5

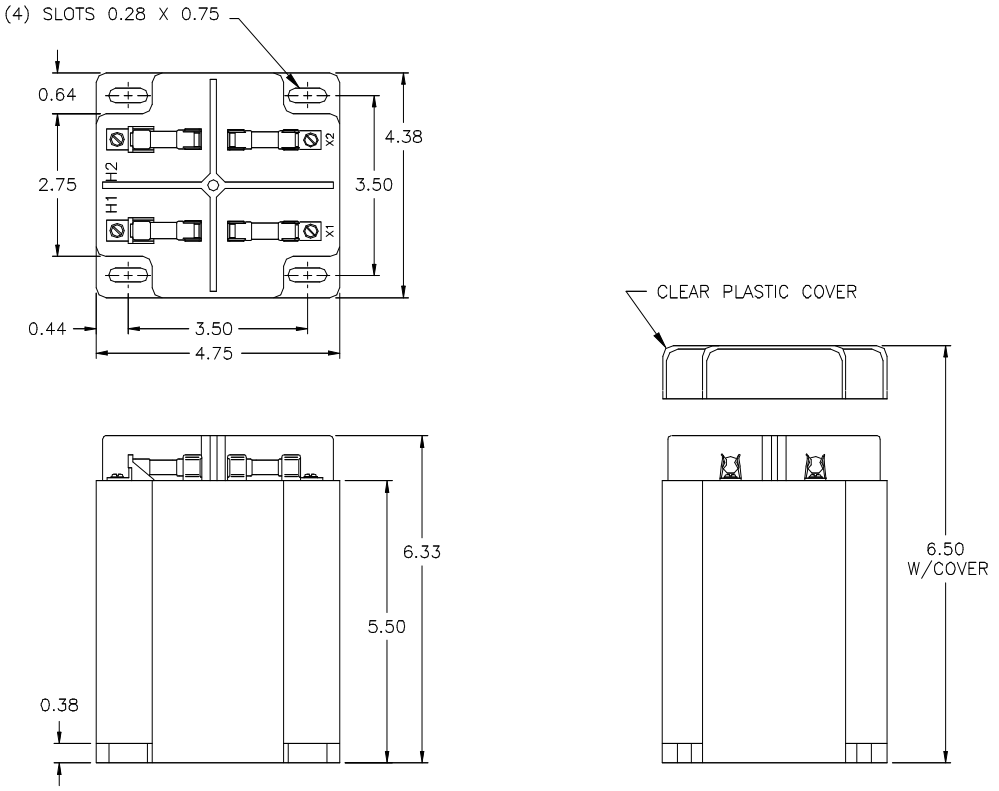
Notes:

For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%.

Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating; except those marked Ψ, which must not exceed 110% rated voltage.

GE VERNOVA

Model JEV-0C Dimensions



Construction and Insulation

The core and coils are enclosed in a molded case and encapsulated in polyurathane resin. The case is molded with GE Vernova Noryl thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range, has low water absorption and good flame resistance.

Core

The cores are made from high quality grain oriented silicon steel, which is annealed under rigidly controlled factory conditions.

Terminals

Primary and secondary terminals are No. 8-32 brass screws with one flat washer and one lock washer. A clear plastic terminal cover is provided.

Polarity

Primary and secondary polarity identifiers are molded into the top surface of the transformer case.

Fuses

Primary fuses are recommended, rated as shown in the data table. A secondary fuse is recommended, type BBS rated at 3.0 Amps to protect the transformer from external short circuits.

Nameplates

The nameplate is a polyester label attached to the side of the transformer case.

Mounting

The transformer can be mounted in any position, the case is provided with four mounting holes.

Maintenance

These transformers require no maintenance, other than occasional cleaning.

For more information, visit
gevernova.com/grid-solutions

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English
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