GE
Grid Solutions

Model PT7-2-150 Fused

Medium Voltage Indoor Voltage Transformer
ANSI Group 2

Accuracy Class

0.3 WXMYZ 1.2ZZ at 100 % rated voltage with 120 V based ANSI burden.

0.3 WXMY, 1.2Z at 58 % rated voltage with 69.3 V based ANSI burden..

Frequency

60 Hz.

Maximum System Voltage

Model PT7-2-150
36.5 kV, BIL 150 kV full wave

Thermal Rating

1,500 VA 30 °C. amb.
1,000 VA 55 °C. amb.

Weight

Approximate weight 185 lbs.

Specifications

- Primary terminals are 3/8-16 brass screws with one flatwasher and lockwasher.
- Secondary terminals are 1/4-20 brass screws with one flatwasher and lockwasher.
- The core and coil assembly is vacuum encapsulated in polyurethane resin.
- A test card is provided with each unit.
- Customer supplied leads must be directed away from transformer.
- User needs to select appropriate clearance values to assure performance for high potential testing, impulse testing, high humidity, partial discharge, high altitude, specific configurations and other considerations.
- Fuse clip only models do not include fuses. Clips supplied accept 1.63 inch diameter fuses. Recommend 34.5 kV 0.5E rated fuses.
- Also available are other ratios and frequencies, double secondaries and units meeting IEC 61689-3. Note: It is recommended that the system line-to-line voltage must not exceed transformer maximum system voltage level.

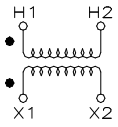
Fused PT7-2-150

REGULATORY AGENCY APPROVALS

E145172 LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.
Classified by U.L. in accordance with IEC 44-1

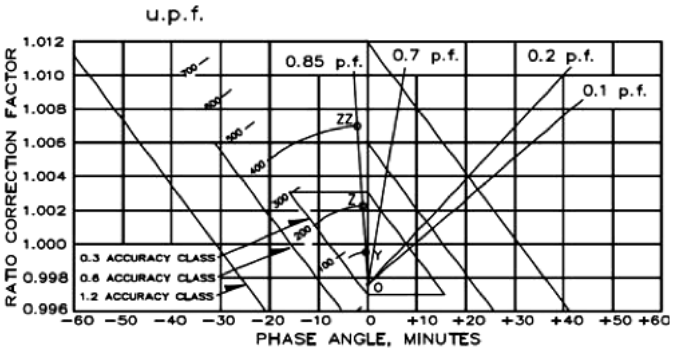
PT7-2 Fused



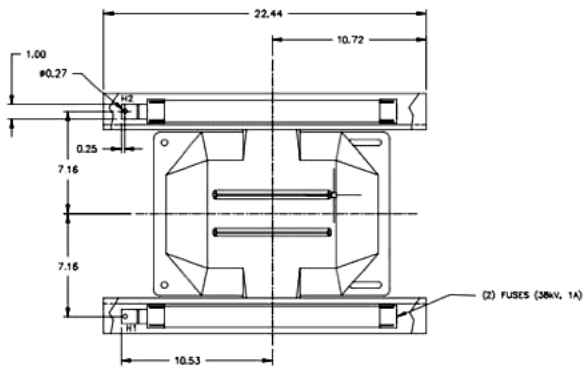
Catalog Numbers				
Primary Voltage	Ratio	Secondary Voltage	Fuses	Fuse Clips Only
21,000	175:1	120	PT7-2-150-213FF	PT7-2-150-213CC
24,000	200:1	120	PT7-2-150-243FF	PT7-2-150-243CC
27,600	240:1	115	PT7-2-150-2762FF	PT7-2-150-2762CC
34,500	300:1	115	PT7-2-150-3452FF	PT7-2-150-3452CC

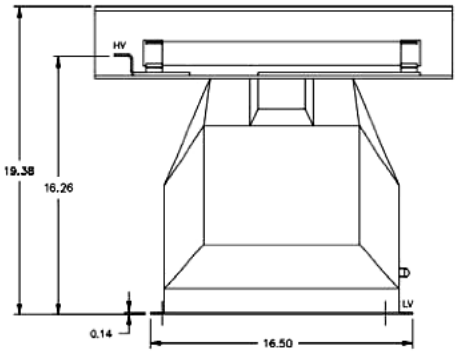
Transformers are for line-to-line connection, but may be connected line-to-neutral at a voltage of the rated line volts divided by the square root of three. Continuous operation at 110 % of rated voltage is permissible, provided that the thermal burden rated volt-amperes is not exceeded. For lineto-neutral connections a primary fuse should be used in the line side connection only. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.

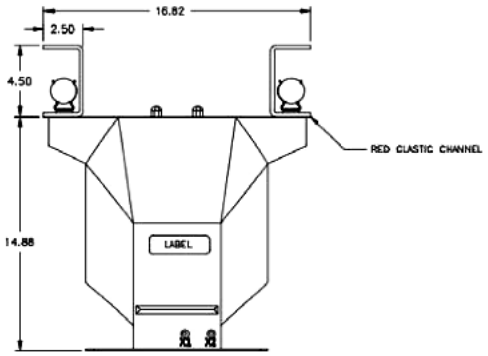
Model Fused PT7-2-150 - ANSI Group 2

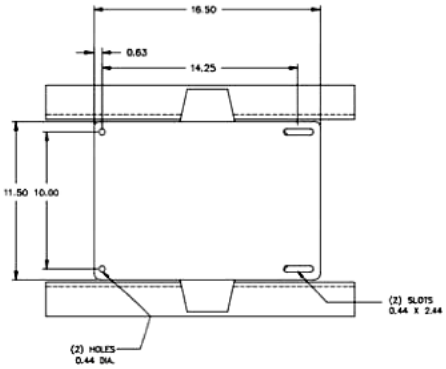


The circle diagram can be used to predict the performance of a transformer for various loads and power factors. A convenient scale of volt-ampere is shown on the unity power factor line (u.p.f) and commences at the zero or no-load locus. To use the diagram, measure the known V.A. and scribe an arc about the “Zero” locus of a length that contains the angle of the burden power factor. The point at which the arc terminates is the error locus in phase angle minutes and ratio correction factor.









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