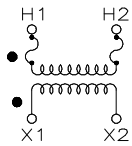
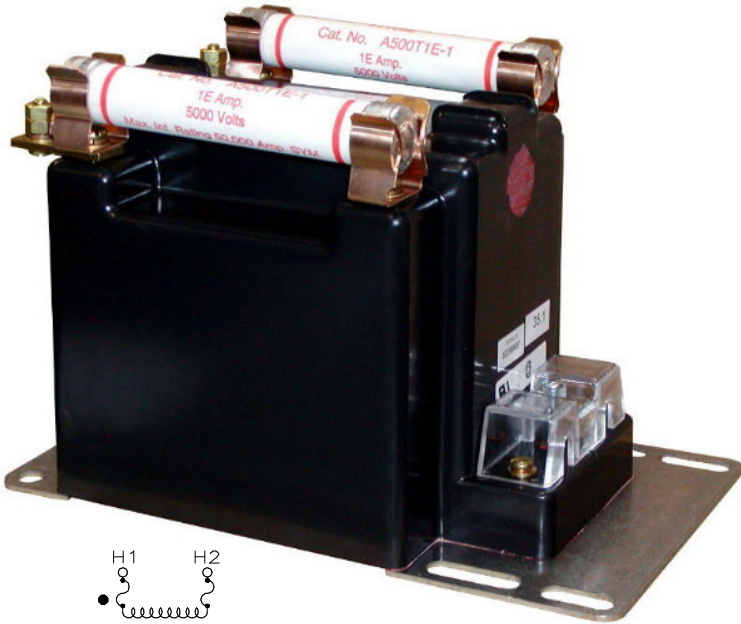


REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.



TWO FUSE
Two Bushing

ACCURACY CLASS:

0.3 WXY 1.2 Z at 100% rated voltage with 120V based ANSI burden.

0.6 WX, 1.2 MY at 58% rated voltage with 69.3V based ANSI burden.

FREQUENCY:

60 Hz.

MAXIMUM SYSTEM VOLTAGE:

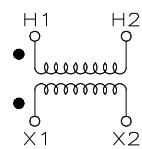
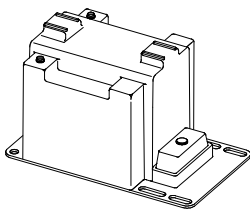
5.6kv, BIL 60kv.

THERMAL RATING:

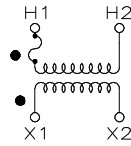
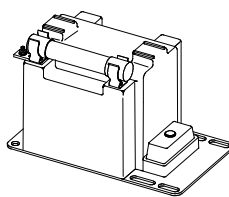
750 VA at 30°C amb.

500 VA at 55°C amb.

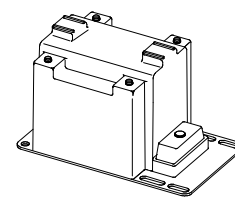
Approximate weight 34 lbs. unfused.



UNFUSED
Two Bushing



ONE FUSE
One Bushing



**SWITCHGEAR
STYLE**
Two Bushing

| TWO BUSHING (a) | | | | CATALOG NUMBERS | | | |
|-----------------|-----------------|-------|-------------------|-----------------|-----------------|-------------------------|------------------|
| GROUP | PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | UNFUSED | FUSES | FUSE CLIPS ONLY (d) | SWITCHGEAR STYLE |
| 1 | *2400 | 20:1 | 120 | PTG3-2-60-242 | PTG3-2-60-242FF | PTG3-2-60-242CCS or CCL | PTG3-2-60-242SS |
| 2 | 3300 | 30:1 | 110-50 Hz | PTG3-2-60-332 | PTG3-2-60-332FF | PTG3-2-60-332CCS or CCL | PTG3-2-60-332SS |
| 2 | *4200 | 35:1 | 120 | PTG3-2-60-422 | PTG3-2-60-422FF | PTG3-2-60-422CCS or CCL | PTG3-2-60-422SS |
| 2 | *4800 | 40:1 | 120 | PTG3-2-60-482 | PTG3-2-60-482FF | PTG3-2-60-482CCS or CCL | PTG3-2-60-482SS |

| ONE BUSHING (b) | | | | CATALOG NUMBERS | | | |
|-----------------|-----------------|-------|-------------------|-----------------|----------------|-----------------------|------------------|
| GROUP | PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | R FR (c) | FUSES | FUSE CLIPS ONLY (d) | SWITCHGEAR STYLE |
| 4A | *2400 | 20:1 | 120 | 230 | PTG3-1-60-242F | PTG3-1-60-242CS or CL | PTG3-1-60-242S |
| 4B | *4200 | 35:1 | 120 | 230 | PTG3-1-60-422F | PTG3-1-60-422CS or CL | PTG3-1-60-422S |
| 4B | *4800 | 40:1 | 120 | 230 | PTG3-1-60-482F | PTG3-1-60-482CS or CL | PTG3-1-60-482S |

NOTE: All Primary voltages marked with an asterisk (*) are approved for revenue metering in Canada by Industry Canada, Approval No. T-215 Rev. 02

Models PTG3-1-60 & PTG3-2-60

(a) Two fuse transformers should not be used for Y connections. It is preferred practice to connect one lead from each voltage transformer directly to the neutral terminal, using a fuse in the line side of the primary only. By using this connection a transformer can never be made "live" from the line side by reason of a blown fuse in the neutral side. For continuous operation the transformer primary voltage should not exceed 110% of rated value.

(b) Voltage transformers connected line-to-ground cannot be considered to be grounding transformers and must not be operated with the secondaries in closed delta because excessive currents may flow in the delta.

(c) See page 32, item 1 for ferroresonance considerations. Values in table are in ohms.

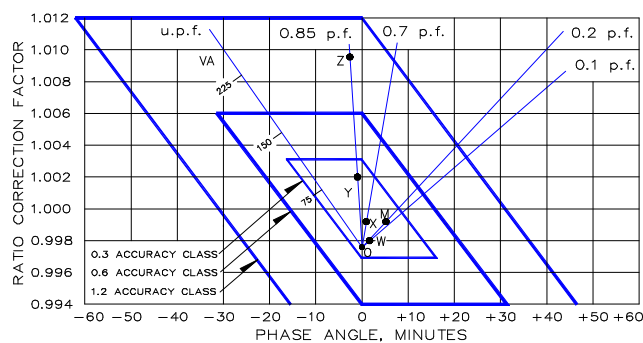
(d) Fuse clips noted as "CCS" or "CS" accept fuses with 1" Dia. caps and 5" clip centers. Fuses clips noted as "CCL" or "CL" accept fuses with 1.63" Dia. caps and 5.88" clip centers.

Note: It is recommended that system line-to-line voltage not exceed the transformer maximum system voltage level.

| FUSE FOR MODEL PTG3 TRANSFORMER | RATING VOLTS | INTERRUPTING AMPERES (SYM) | SUGGESTED RATING CONTINUOUS AMPERES | CAP DIA. INCHES (d) | LENGTH INCHES | CLIP CENTERS INCHES |
|------------------------------------|-----------------|-------------------------------|--|---------------------------|------------------|------------------------|
| 2400:120V | 5.5kV | 45,000 | 2.0E | 1.0 | 5.63 | 5.00 |
| 3300:110V | 5.5kV | 45,000 | 2.0E | 1.0 | 5.63 | 5.00 |
| 4200:120V | 5.5kV | 45,000 | 1.0E | 1.0 | 5.63 | 5.00 |
| 4800:120V | 5.5kV | 45,000 | 1.0E | 1.0 | 5.63 | 5.00 |

- Primary terminals that are unfused are 1/4-20 brass screws with one flatwasher and lockwasher.
- Primary terminals that are fused are 1/4-20 brass screws with one flatwasher and lockwasher and two nuts.
- Secondary terminals are No. 10-32 brass screws with one flatwasher and lockwasher.
- The core and coil assembly is encased in a plastic enclosure and vacuum encapsulated in polyurethane resin.
- Thermal burden rating is for 120 volt secondaries.
- Switch gear style is similar to fused style. No fuse or fuse clip is provide, but inserts for fuse clips are supplied.

CIRCLE DIAGRAM



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.

