POTENTIAL TRANSFORMERS

THREE PHASE VOLTAGE TRANSFORMER *MODEL* 3VTN & 3VTL

FEATURES

600V CLASS

- UL Recognized ® E93779 LR89403
- Three transformers in one case
- The core and coil assembly is encased in a thermoplastic shell and filled with resin.
- The Transformer has a clear plastic terminal cover.
- 3VTN for WYE Systems, 3VTL for DELTA Systems.

SIDE VIEW

TOP VIEW

SPECIFICATIONS

Frequency 60Hz
Standard Secondary Voltage ..... 120 Volts
Accuracy Class (per phase) ..... 0.6 W, 1.2 X at 60Hz
Thermal Rating (per phase) ..... 150VA at 30° C amb.
100VA at 55° C amb.
Operation (fused) ..... Line-to-Neutral
Operation (not fused) ..... Independent
Secondary fuses ..... 3AG size, 250 V
Insulation level ..... 0.6KV, BIL 10KV Full Wave
Terminals ..... Brass screws No. 8-32 UNC
Weight ..... Approximately 24 lbs.

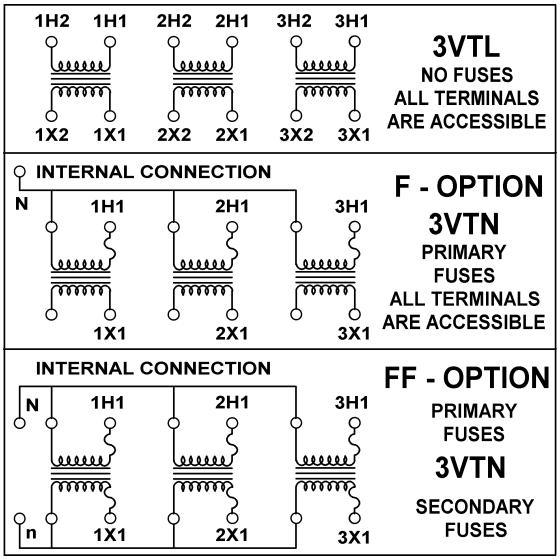
NOTE: *3VTN460:* Only ground N & n terminals if source is 3-phase, 4 wire effectively grounded.

APPLICATION AND ORDERING DATA

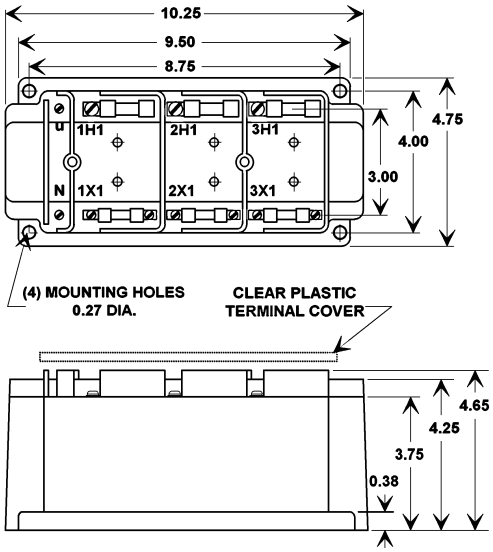
Catalog Number	Line to Neutral Voltage Rating	Turns Ratio	Primary Fuse KTK-R	Recommended Secondary Fuse BBS
3VTN-460-069F	69.4:120	0.58:1	5.0A	
3VTN-460-120F	120:120	1:1	4.0A	
3VTN-460-240F	240:120	2:1	2.0A	1.6 AMPS
3VTN-460-277F	277:120	2.31:1	2.0A	
3VTN-460-300F	300:120	2.5:1	1.5A	
3VTN-460-346F	346:120	2.88:1	1.5A	
3VTN-460-069FF	69.4:120	0.58:1	5.0A	
3VTN-460-120FF	120:120	1:1	4.0A	
3VTN-460-240FF	240:120	2:1	2.0A	1.6 AMPS
3VTN-460-277FF	277:120	2.31:1	2.0A	(Included)
3VTN-460-300FF	300:120	2.5:1	1.5A	
3VTN-460-346FF	346:120	2.88:1	1.5A	
Line - To - Line				
3VTL-460-120	120:120	1:1	4.0A*	
3VTL-460-208	208:120	1.73:1	2.0A*	
3VTL-460-240	240:120	2:1	2.0A*	1.6 AMPS
3VTL-460-288	288:120	2.4:1	1.5A*	
3VTL-460-480	480:120	4:1	1.0A*	
3VTL-460-600	600:120	5:1	0.75A*	

* Rec. Primary Fuse
F = Primary Fuseblock Provided
FF = Primary & Secondary Fuseblocks Provided

CONNECTION DIAGRAM



MODEL 3VT DIMENSIONS (INCHES)



FLEX-CORE®
Div. Morlan & Associates, Inc.
6625 McVey Blvd. Columbus, Ohio 43235

WWW.FLEX-CORE.COM
flexcore@msn.com

PHONE (614) 889-6152
TECH. ASSISTANCE (614) 876-8308
FAX # (614) 876-8538