TPX Series - Sine Wave Tracking Filter & Surge Suppressor

SURGE PERFORMANCE SPECIFICATIONS
Type 1 Suitable For Location C, B & A

<table>
<thead>
<tr>
<th>Model Number</th>
<th>A1 Ring Wave</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2kV, 67A</td>
</tr>
<tr>
<td></td>
<td>180° Phase</td>
</tr>
<tr>
<td>TPX-1S240-F</td>
<td>L-N</td>
</tr>
<tr>
<td>120/240 VAC Single 3 Wire Plus Ground</td>
<td>150</td>
</tr>
<tr>
<td>TPX-3Y208-F</td>
<td>L-N</td>
</tr>
<tr>
<td>120/208 VAC Wye 4 Wire Plus Ground</td>
<td>150</td>
</tr>
<tr>
<td>TPX-3D240-F</td>
<td>L-N</td>
</tr>
<tr>
<td>120/240 VAC Delta w/ High Leg 4 Wire Plus Ground</td>
<td>150/320 1000V High Leg</td>
</tr>
<tr>
<td>TPX-3Y380-F</td>
<td>L-N</td>
</tr>
<tr>
<td>220/380 VAC Wye 4 Wire Plus Ground</td>
<td>320</td>
</tr>
<tr>
<td>TPX-3Y415-F</td>
<td>L-N</td>
</tr>
<tr>
<td>240/415 VAC Wye 4 Wire Plus Ground</td>
<td>320</td>
</tr>
<tr>
<td>TPX-3Y480-F</td>
<td>L-N</td>
</tr>
<tr>
<td>277/480 VAC Wye 4 Wire Plus Ground</td>
<td>320</td>
</tr>
<tr>
<td>TPX-240NN-F</td>
<td>L-L</td>
</tr>
<tr>
<td>240 VAC Delta 3 Wire Plus Ground</td>
<td>320</td>
</tr>
<tr>
<td>TPX-380NN-F</td>
<td>L-L</td>
</tr>
<tr>
<td>380 VAC Delta 3 Wire Plus Ground</td>
<td>520</td>
</tr>
<tr>
<td>TPX-480NN-F</td>
<td>L-L</td>
</tr>
<tr>
<td>480 VAC Delta 3 Wire Plus Ground</td>
<td>520</td>
</tr>
<tr>
<td>TPX-1P120-F</td>
<td>L-N</td>
</tr>
<tr>
<td>120 VAC 2 Wire Plus Ground</td>
<td>150</td>
</tr>
<tr>
<td>TPX-1P240-F</td>
<td>L-N</td>
</tr>
<tr>
<td>240 VAC 2 Wire Plus Ground</td>
<td>320</td>
</tr>
</tbody>
</table>

All units tested with six inch leads. Specification subject to change without notice.

EMI/RFI
FILTER ATTENUATION
MIL STANDARD 220B
100kHz………29dB
1MHz…………32dB

SAFETY APPROVALS
UL 1449 Fourth Edition Listed by ETL., UL 1283 with "-F" suffix.

INSTALLATION
Ultra compact, fail-safe design with component-level fusing. ANSI/IEEE C62.41 Location C, B & A. In=20kA. Type 1 SPD - can be installed line-side or load-side of main disconnect. Prewired with 36" (914.4mm) of #10 AWG (5.26mm²) conductor. Install direct to the bus, disconnect, or on any size breaker (20 to 30 amp breaker recommended as a disconnect means).

WARRANTY
15-Year Unlimited Free Replacement

SHORT CIRCUIT CURRENT RATING
100kAIC on all units

OPERATING TEMPERATURES
-40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity

FREQUENCY ATTENUATION
AC Sine Wave Tracking Power Filter 1kHz to 20MHz

POWER FREQUENCY RANGE
40-440Hz (48-63Hz with -F filter option)

MAX SURGE CURRENT
50kA per phase

RESPONSE TIME
< 0.5 nanosecond

MONITORING
Status indicator & Phase Loss (Green LED)

ENCLOSURE
Black weather proof NEMA 4 enclosure for indoor or outdoor use

PROTECTION MODES
All modes L-N, L-G, N-G & L-L

DIMENSIONS (APPROX):

- CASE A: 2.9”H x 4.4”W x 7.6”L - 2.6 lbs
- CASE B: 2.9”H x 4.4”W x 10.3”L - 4.1 lbs

OPTIONS:
Add “-FMP” suffix for flush mount cover plate.
To delete filter, delete “-F” suffix.

Need additional assistance?
Call Technical Support
1-717-436-2856
www.TPDsurge.com

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**SURGE PERFORMANCE SPECIFICATIONS**

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<table>
<thead>
<tr>
<th>Model Number</th>
<th>Mode/MCOV</th>
<th>A1 Ring Wave (2kV, 67A) 180° Phase</th>
<th>UL 4th Ed. VPR Ratings (6kV, 3kA)</th>
<th>Enclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPX-1S240-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>600V</td>
<td>A</td>
</tr>
<tr>
<td>TPX-3Y208-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>600V</td>
<td>B</td>
</tr>
<tr>
<td>TPX-3D240-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>600V</td>
<td>B</td>
</tr>
<tr>
<td>TPX-3Y380-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>1000V</td>
<td>B</td>
</tr>
<tr>
<td>TPX-3Y415-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>1000V</td>
<td>B</td>
</tr>
<tr>
<td>TPX-3Y480-F-100</td>
<td>L-N</td>
<td>73V</td>
<td>1800V</td>
<td>B</td>
</tr>
<tr>
<td>TPX-380NNF-100</td>
<td>L-L</td>
<td>*73V</td>
<td>1800V</td>
<td>B</td>
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**CASE A & B Front View**

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**CASE A Front View**

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**CASE B Front View**

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**CASE A Side View**

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**CASE B Side View**

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