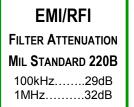
# **TPX Series - Sine Wave Tracking Filter & Surge Suppressor**

# ТРХ





#### 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 (5.26mm<sup>2</sup>) 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

WEIGHT:

2.6 lbs

4.1 lbs

#### **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

0/102/1	
CASE B:	2.9"H x 4.4"W x 10.3"L

**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

# SURGE PERFORMANCE SPECIFICATIONS

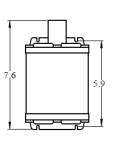
ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage Type 1 Suitable For Location C, B & A

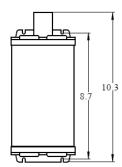
Mode/ MCOV	A1 Ring Wave 2kV, 67A 180° Phase	UL 4th Ed. VPR Ratings (6kV, 3kA)	Enclosure
<b>L-N</b> 150	73V	600V	Α
<b>L-N</b> 150	73V	600V	В
<b>L-N</b> 150/320	73V	600V 1000V High Leg	В
<b>L-N</b> 320	73V	1000V	В
<b>L-N</b> 320	73V	1000V	В
<b>L-N</b> 320	73V	1000V	В
<b>L-L</b> 320	73V	1000V	В
<b>L-L</b> 520	73V	1800V	В
<b>L-L</b> 520	73V	1800V	В
<b>L-N</b> 150	73V	600V	A
<b>L-N</b> 320	73V	600V	A
	MCOV L-N 150 L-N 150/320 L-N 320 L-N 320 L-N 320 L-L 520 L-L 520 L-L 520 L-N 150 L-N 150	2kV, 67A   Mode/ 180° Phase   L-N 73V   150 73V   L-N 73V   150/320 73V   L-N 73V   150/320 73V   L-N 73V   320 73V   L-N 73V   320 73V   L-N 73V   320 73V   L-N 73V   S20 73V   L-N 73V   L-N 73V   L-N 73V   L-N 73V   L-N 73V	2kV, 67A VPR Ratings (6kV, 3kA)   L-N 150 73V 600V   L-N 150 73V 600V   L-N 150/320 73V 600V   L-N 150/320 73V 600V   L-N 150/320 73V 1000V   L-N 320 73V 1000V   L-N 320 73V 1000V   L-N 320 73V 1000V   L-N 320 73V 1000V   L-L 320 73V 1000V   L-L 320 73V 1800V   L-L 520 73V 1800V   L-L 520 73V 600V   L-N 150 73V 600V

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

## CASE B Front View









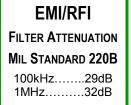
2

CASE A & B

Side View

CASE A

# TPX Series - Sine Wave Tracking Filter & Surge Suppressor **TPX-100**



SAFETY APPROVALS

mended as a disconnect means).

15-Year Unlimited Free Replacement SHORT CIRCUIT CURRENT RATING

**OPERATING TEMPERATURES** 

FREQUENCY ATTENUATION

INSTALLATION

WARRANTY

100kAIC on all units

humidity

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

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

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 (5.26mm<sup>2</sup>) conductor. Install direct to the bus, disconnect, or on any size breaker (20 to 30 amp breaker recom-



#### SURGE PERFORMANCE SPECIFICATIONS

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage Type 1 Suitable For Location C, B & A

Model Number	Mode/ MCOV	A1 Ring Wave 2kV, 67A 180° Phase	UL 4th Ed. VPR Ratings (6kV, 3kA)	Enclosure
TPX-1S240-F-100	L-N	73V	600V	Α
120/240 VAC Single 3 Wire Plus Ground	150			
TPX-3Y208-F-100	L-N	73V	600V	в
120/208 VAC Wye 4 Wire Plus Ground	150			
TPX-3D240-F-100	L-N	73V	600V	В
120/240 VAC Delta w/ High Leg 4 Wire Plus Ground	150/320		1000V High Leg	
TPX-3Y380-F-100	L-N	73V	1000V	В
220/380 VAC Wye 4 Wire Plus Ground	320			
TPX-3Y415-F-100	L-N	73V	1000V	В
240/415 VAC Wye 4 Wire Plus Ground	320			
TPX-3Y480-F-100	L-N	73V	1000V	В
277/480 VAC Wye 4 Wire Plus Ground	320			
TPX-240NN-F-100	L-L	*73V	1000V	В
240 VAC Delta 3 Wire Plus Ground	320			
TPX-380NN-F-100	L-L	*73V	1800V	В
380 VAC Delta 3 Wire Plus Ground	520			
TPX-480NN-F-100	L-L	*73V	1800V	В
480 VAC Delta 3 Wire Plus Ground	520			
TPX-1P120-F-100	L-N	73V	600V	Α
120 VAC 2 Wire Plus Ground	150			
TPX-1P240-F-100	L-N	73V	600V	Α
240 VAC 2 Wire Plus Ground	320			

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

CASE A

Front View

7.6

AC Sine Wave Tracking Power Filter 1кHZ to 20MHz
POWER FREQUENCY RANGE

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

#### MAX SURGE CURRENT

100kA per phase; 50kA per mode;

**RESPONSE TIME** 

## < 0.5 nanosecond

MONITORING

Status indicator & Phase Loss (Green LED)

#### ENCLOSURE

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WEIGHT:

2.6 lbs

4.1 lbs

#### 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 CASE B: 2.9"H x 4.4"W x 10.3"L

#### **OPTIONS:**

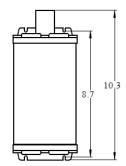
Add "-FMP" suffix for flush mount cover plate.

Side View

CASE A & B

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







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