



SAFETY APPROVALS

UL 1449 Fifth 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. $I_n=20kA$ (* $I_n=10kA$ on 380NN and 480NN models). **Type 1 and Type 2 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. Steel nipple standard.

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

150kA per mode; 300kA per phase

RESPONSE TIME

< 0.5 nanosecond

MONITORING

Status indicator & Phase Loss (Green LED)

ENCLOSURE

Aluminum or steel weatherproof NEMA 4 enclosure for indoor or outdoor use.

PROTECTION MODES

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

DIMENSIONS (APPROX)

8"H x 6"W x 4"L

WEIGHT (APPROX)

10 lbs.

Model #	Voltage Description	MCOV	Strength Per Phase	A1 Ring Wave 180° (2kV, 67A)	UL 5th Ed. VPR Ratings			
					L-N	L-G	N-G	L-L
TPX-1S240-F-300	120/240VAC Single 3W+G	150 L-N	300kA	73V L-N	600	600	600	1200
TPX-3Y208-F-300	120/208VAC Wye 4W+G	150 L-N	300kA	73V L-N	600	600	600	1200
TPX-3D240-F-300	120/240VAC Delta High Leg 4W+G	150/320 L-N	300kA	73V L-N	600/1000	600/1000	600	1200/1800
TPX-3Y380-F-300	220/380VAC Wye 4W+G	320 L-N	300kA	73V L-N	1000	1000	1000	2000
TPX-3Y415-F-300	240/415VAC Wye 4W+G	320 L-N	300kA	73V L-N	1000	1000	1000	2000
TPX-3Y480-F-300	277/480VAC Wye 4W+G	320 L-N	300kA	73V L-N	1000	1000	1000	2000
TPX-240NN-F-300	240VAC Delta Three Phase 3W+G	320 L-G	300kA	73V L-L	1000	1000	N.A.	2000
TPX-380NN-F-300	380VAC Delta Three Phase 3W+G	520 L-G	300kA	73V L-L	N.A.	1800	N.A.	4000
TPX-480NN-F-300	480VAC Delta Three Phase 3W+G	520 L-G	300kA	73V L-L	N.A.	1800	N.A.	4000
TPX-1P120-F-300	120VAC 2W+G	150 L-N	300kA	73V L-N	600	600	600	N.A.
TPX-1P240-F-300	240VAC 2W+G (International)	320 L-N	300kA	73V L-N	1000	1000	1000	N.A.

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage
All units tested with six inch leads. Specification subject to change without notice.
Contact TPD for additional voltages and models.

OPTIONS:

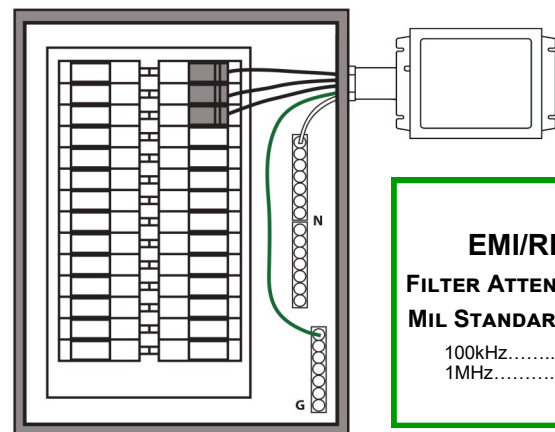
Add “-N” for Nema 4X plastic nipple with flex tubing.

Add “-NX” for Nema 4X stainless steel nipple.

Add “-R” for dry relay contacts. Enclosure will increase by 3" in length.

Add “-E” for extra filtering L-N with 58V A1 ring wave let through voltages, and remove “-F” suffix.

To eliminate transient filter, delete “-F” suffix.



SAMPLE THREE PHASE INSTALLATION

Install and clip lead wires as short and straight as overall possible for best installation. The shorter the wires the better the performance of the unit. The TPX comes with #10 awg wire and as a Type 1 SPD can be installed to any size breaker or direct to lugs. Breakers typically allow for the cleanest and shortest installation. This unit can be mounted at the top, bottom, right or left side of the a breaker panel.