

SURGE-TRAP® STXP SERIES

SURGE PROTECTIVE DEVICE

NEMA DEVICES FOR ANSI/UL 1449 TYPE 1 AND 2 APPLICATIONS



The Surge-Trap® Type 1 STXP Series offers advanced performance and features over the STXR series including higher surge capacity and phase LED status indicators. The STXP meets requirements for UL1449 4th Edition and has been designed for additional mounting flexibility including mounting feet and flush-mount capability. The STXP features TPMOV® technology inside making it the safest product available. Installation can be done on the line or load side of a panel. The STXP is the perfect fit from service entrance all the way down to an important machine specific control panel.

FEATURES AND BENEFITS:

- Designed with the industry leading Mersen TPMOV® Technology (internally fused)
- Enhanced 100kA surge capacity for longer life and higher single impulse withstand
- Pre-wired with 3' leads for easy installation
- Up to 10 Modes of Protection (L-N, L-L, L-G, N-G)
- 10-year warranty

RATINGS:

- **Volts (U_n):** 120-600VAC
- **Nominal Discharge Current Rating (I_n):** 20kA
- **Surge Capacity (per phase):** 100kA
- **Short-Circuit Current Rating (SCCR):** 200kA

APPROVALS:

- ANSI/UL 1449 4th Edition, Type 1 SPD, File E210793
- CSA C22.2, Type 1 SPD
- ANSI/IEEE C62.41.1, C62.41.2, C62.45
- UL96A Lightning Protection
- RoHS Compliant



GENERAL PRODUCT SPECIFICATIONS

| | | | |
|---------------|--|----------------------------------|---------------------------|
| Mounting: | Female 3/4" – 14 threaded hub | Operating & Storage Temperature: | -40°C to +85°C |
| Wiring: | Mounting feet with 0.125" diameter holes | Relative Humidity Range: | 0 to 95% non-condensing |
| Enclosure: | Pre-wired 3' (1m) 10AWG | Visual End-of-Life Indicator: | GREEN = OK, OUT = REPLACE |
| Flammability: | NEMA 4X Non-metallic UL94-5VA | Frequency: | 50-60Hz |

| CATALOG NUMBER (INCLUDES SUFFIXES*) | SYSTEM VOLTAGE AND CONFIGURATION | I _n | MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV, U _c) | | | | VOLTAGE PROTECTION RATING (VPR) (UL 1449, 6kA, 3kV) | | | |
|-------------------------------------|----------------------------------|----------------|--|----------|----------|------|---|-----------|-----------|------|
| | | | L-N | L-G | L-L | N-G* | L-N | L-G | L-L | N-G* |
| STXP120P10 | 120V Single Phase | 20kA | 150 | 150 | - | 150 | 700 | 700 | - | 600 |
| STXP240P10 | 240V Single Phase | 20kA | 320 | 320 | - | 150 | 1200 | 1200 | - | 700 |
| STXP240S10 | 240/120V Split Phase | 20kA | 150 | 150 | 300 | 150 | 700 | 700 | 1000 | 600 |
| STXP480S10 | 480/240V Split Phase | 20kA | 320 | 320 | 640 | 150 | 1200 | 1200 | 2000 | 600 |
| STXP208Y10 | 208/120V 3-Phase WYE | 20kA | 150 | 150 | 300 | 150 | 700 | 700 | 1000 | 600 |
| STXP380Y10 | 380/220V 3-Phase WYE | 20kA | 320 | 320 | 640 | 150 | 1200 | 1200 | 2000 | 600 |
| STXP480Y10 | 480/277V 3-Phase WYE | 20kA | 320 | 320 | 640 | 150 | 1200 | 1200 | 2000 | 600 |
| STXP600Y10 | 600/347V 3-Phase WYE | 20kA | 420 | 420 | 840 | 275 | 1200 | 1500 | 2000 | 1000 |
| STXP240D10 | 240V 3-Phase DELTA | 20kA | - | 320 | 640 | - | - | 1200 | 2000 | - |
| STXP480D10 | 480V 3-Phase DELTA & HRG WYE | 20kA | - | 550 | 1100 | - | - | 1800 | 3000 | - |
| STXP600D05 (50kA) | 600V 3-Phase DELTA | 20kA | - | 690 | 695 | - | - | 2000 | 2500 | - |
| STXP480B10 | 480V B Corner Ground DELTA | 20kA | - | 550 | 1100 | - | - | 1800 | 3000 | - |
| | | | L-N/HL-N | L-G/HL-G | L-L/HL-L | N-G* | L-N/HL-N | L-G/HL-G | L-L/HL-L | N-G* |
| STXP240H10 | 240/120V Hi-Leg DELTA | 20kA | 150/275 | 150/275 | 300/425 | 150 | 700/1.2k | 700/1.2k | 1.0k/2000 | 600 |
| STXP480H10 | 480/240V Hi-Leg DELTA | 20kA | 320/550 | 320/550 | 640/870 | 320 | 1.2k/1.8k | 1.2k/1.8k | 1.8k/2.5k | 1000 |

*Suffixes: Add Suffix "A" for Audible Alarm and Dry Contact. Example: STXP208Y10A

CATALOG NO. ACCESSORY DESCRIPTION

STXPFMK STXP Flush Mount Kit. Includes [1] mounting plate and [3] mounting screws

Optional Form C Dry Contact and Audible Alarm (Suffix "A")

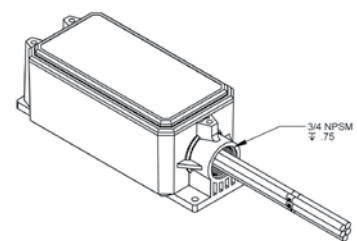
Form C Dry Contact (Pre-wired 3' 18AWG)
125VAC, 1A Resistive
30VDC, 2A General Purpose

Gray = Normally Closed
Blue = Common
Red = Normally Open

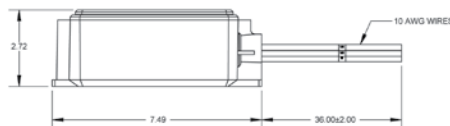
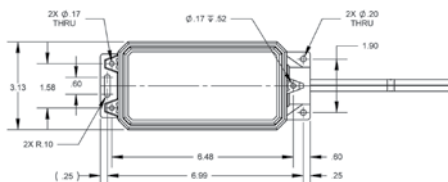
Audible Alarm
Alarm sounds when any protection is lost



3/4"-14 Female Mounting Hub



Dimensions and Mounting Configurations



Flush Mount Option

