

SURGE-TRAP® STXT SERIES

SURGE PROTECTIVE DEVICE

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



The most advanced of the STX series, the Surge-Trap® Type 1 STXT Series comes standard with EMI/RFI Filtering and surge capacities up to 200kA. The STXT features TPMOV® technology inside, making it the safest product available. With line or load side installation flexibility, this unit is a great fit from the service entrance all the way down to each distribution and/or branch panel.

FEATURES AND BENEFITS:

- Premium 200kA surge capacity for longer life and higher single impulse withstand
- Includes EMI/RFI filter for cleaner attenuation
- Mounting hub and mounting feet for installation flexibility
- Optional audible alarm and remote dry contacts
- 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 or 200kA
- **Short-Circuit Current Rating (SCCR):** 200kA
- **EMI/RFI Filter:** Up to -50dB from 10kHz to 100MHz

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



Shah & Shah Enterprise

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GENERAL PRODUCT SPECIFICATIONS

Mounting:	Female 3/4" – 14 threaded hub Mounting feet with 0.25" diameter holes	Operating & Storage Temperature:	-40°C to +85°C
Wiring:	Wire Lugs for 8 AWG copper	Relative Humidity Range:	0 to 95% non-condensing
Enclosure:	NEMA 4X Non-metallic	Visual End-of-Life Indicator:	GREEN = OK, OUT = REPLACE
Flammability:	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*
STXT120P20	120V Single Phase	20kA	150	150	-	150	700	700	-	700
STXT240P20	240V Single Phase	20kA	320	320	-	150	1200	1200	-	700
STXT240S20	240/120V Split Phase	20kA	150	150	300	150	700	700	1000	700
STXT480S20	480/240V Split Phase	20kA	320	320	640	150	1200	1200	2000	700
STXT208Y20	208/120V 3-Phase WYE	20kA	150	150	300	150	700	700	1000	700
STXT380Y20	380/220V 3-Phase WYE	20kA	320	320	640	150	1200	1200	2000	700
STXT480Y20	480/277V 3-Phase WYE	20kA	320	320	640	150	1200	1200	2000	700
STXT600Y20	600/347V 3-Phase WYE	20kA	420	420	840	275	1500	1500	2500	1200
STXT240D20	240V 3-Phase DELTA	20kA	-	320	640	-	-	1200	2000	-
STXT480D20	480V 3-Phase DELTA & HRG WYE	20kA	-	550	1100	-	-	1800	3000	-
STXT600D10	600V 3-Phase DELTA	20kA	-	695	840	-	-	2500	2500	-
STXT480B20	480V B Corner Ground DELTA	20kA	-	550	1100	-	-	1800	4000	-
			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*
STXT240H20	240/120V Hi-Leg DELTA	20kA	150/275	150/275	300/425	150	700/1.2k	700/1.2k	1.0k/2000	700
STXT480H20	480/240V Hi-Leg DELTA	20kA	320/550	320/550	640/870	320	1.2k/1.8k	1.2k/1.8k	2.0k/2.5k	1200

*Suffixes:
Add Suffix "A" for Audible Alarm and Dry Contact. Example: STXP208Y10A
For 100kA Surge Capacity models, substitute "10" for "20." Example: STXT208Y10

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

Form C Dry Contact
125VAC, 1A Resistive
30VDC, 2A General Purpose

COM = Common
NO = Normally Open
NC = Normally Closed

Audible Alarm
Alarm sounds when any protection is lost



3/4"-14 Female Mounting Hub



Dimensions and Mounting Configurations

