The most popular range in the STX series offering, the Surge-Trap® Type 1 STXR meets requirements for UL1449 4th Edition and is ideal for the replacement of obsolete surge arrestors. The STXR Series SPDs feature TPMOV® technology inside, making them the safest product available. With a small, compact design and line or load installation flexibility, the STXR series is the perfect fit for branch panel and/or individual equipment protection.

FEATUES AND BENEFITS:
- Designed with the industry leading Mersen TPMOV® Technology
- LED status indicator (ON = Good, OFF = Replace)
- NEMA 4X enclosure for outdoor or indoor use
- Fits 3/4” knockouts with 3’ leads for easy installation
- Optional mounting bracket for surface mount applications
- Optional audible alarm and remote dry contacts
- For use in ANSI/UL Type 1 or 2 SPD installations
- Up to 10 modes of Protection (L-N, L-L, L-G optional, N-G optional)
- 5-year warranty

RATINGS:
- Volts \( (U_n) \): 120-600VAC
- Nominal Discharge Current Rating \( (I_{in}) \): 10-20kA
- Surge Capacity (per phase and per mode): 50kA
- 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
# Surge Protection Specifications

**General Product Specifications**
- **Mounting:** 3/4" – 14 threaded hub
  - Includes locking washer
- **Wiring:** Pre-wired 3' (1m) 10AWG
- **Enclosure:** NEMA 4X Non-metallic
- **Flammability:** UL 94-5VA
- **Operating & Storage Temperature:** -40°C to +85°C
- **Relative Humidity Range:** 0 to 95% non-condensing
- **Visual End-of-Life Indicator:** GREEN = OK, OUT = REPLACE
- **Frequency:** 50-60Hz

## Catalog Number (Includes Suffixes)

<table>
<thead>
<tr>
<th>Catalog Number (Includes Suffixes)</th>
<th>System Voltage and Configuration</th>
<th>( I_n )</th>
<th>Maximum Continuous Operating Voltage (MCOV, ( U_c ))</th>
<th>Voltage Protection Rating (VPR) (UL 1449, 6kA, 3kV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STXR120P05</td>
<td>120V Single Phase</td>
<td>20kA</td>
<td>L-N 150, L-G 300, L-L 300, N-G* 150</td>
<td>L-N 700, L-G 1200, L-L 1200, N-G* 600</td>
</tr>
<tr>
<td>STXR240S05</td>
<td>240/120V Split Phase</td>
<td>20kA</td>
<td>L-N 150, L-G 300, L-L 300, N-G* 150</td>
<td>L-N 700, L-G 1200, L-L 1200, N-G* 600</td>
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<tr>
<td>STXR480S05</td>
<td>480/240V Split Phase</td>
<td>20kA</td>
<td>L-N 320, L-G 640, L-L 640, N-G* 320</td>
<td>L-N 1200, L-G 1800, L-L 1800, N-G* 1000</td>
</tr>
<tr>
<td>STXR208Y05</td>
<td>208/120V 3-Phase WYE</td>
<td>20kA</td>
<td>L-N 150, L-G 300, L-L 300, N-G* 150</td>
<td>L-N 700, L-G 1200, L-L 1200, N-G* 600</td>
</tr>
<tr>
<td>STXR380Y05</td>
<td>380/220V 3-Phase WYE</td>
<td>20kA</td>
<td>L-N 320, L-G 640, L-L 640, N-G* 320</td>
<td>L-N 1200, L-G 1800, L-L 1800, N-G* 1000</td>
</tr>
<tr>
<td>STXR480Y05</td>
<td>480/277V 3-Phase WYE</td>
<td>20kA</td>
<td>L-N 320, L-G 470, L-L 640, N-G* 150</td>
<td>L-N 1200, L-G 1800, L-L 1200, N-G* 1000</td>
</tr>
<tr>
<td>STXR600Y05</td>
<td>600/347V 3-Phase WYE</td>
<td>20kA</td>
<td>L-N 420, L-G 690, L-L 840, N-G* 270</td>
<td>L-N 1500, L-G 2500, L-L 2500, N-G* 1000</td>
</tr>
<tr>
<td>STXR240D05</td>
<td>240V 3-Phase DELTA</td>
<td>20kA</td>
<td>L-N - 320, L-G 640, L-L - 320, N-G* -</td>
<td>L-N 1200, L-G 2000, L-L 2000, N-G* -</td>
</tr>
<tr>
<td>STXR480D05</td>
<td>480V 3-Phase DELTA &amp; HRG WYE</td>
<td>10kA</td>
<td>L-N - 550, L-G 1100, L-L - 550, N-G* -</td>
<td>L-N - 1800, L-G 3000, L-L - 3000, N-G* -</td>
</tr>
<tr>
<td>STXR600D05</td>
<td>600V 3-Phase DELTA</td>
<td>20kA</td>
<td>L-N - 690, L-G 840, L-L - 840, N-G* -</td>
<td>L-N - 2000, L-G 2500, L-L - 2500, N-G* -</td>
</tr>
</tbody>
</table>

*Suffixes:*
- Add Suffix "N" for N-G protection. Example: STXR208Y05N
- Add Suffix "A" for Audible Alarm and Dry Contact. Example: STXR208Y05A
- For both options, Example: STXR208Y05AN

## Catalog Number

- **STXRMBK**
  - STXR Mounting Bracket Kit. Includes (1) 90 degree bracket and (2) mounting screws

### Accessory Description

- **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

### Dimensions and Mounting Configurations

### Bracket Mount Option