STXR Series
Surge-Trap®

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

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.

FEATURES 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 ($I_n$): 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

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### General Product Specifications

<table>
<thead>
<tr>
<th>Catalog Number (Includes suffixes*)</th>
<th>System Voltage and Configuration</th>
<th>( I_n )</th>
<th>Maximum Continuous Operating Voltage ( (\text{MCOV}, U) )</th>
<th>Voltage Protection Rating ( (\text{VPR}) ) ( \text{UL 1449, 6kV, 3kA} )</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>L-N</td>
<td>L-G</td>
</tr>
<tr>
<td>STXR120P05</td>
<td>120V Single Phase</td>
<td>20kA</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td>STXR240P05</td>
<td>240V Single Phase</td>
<td>20kA</td>
<td>320</td>
<td>640</td>
</tr>
<tr>
<td>STXR240S05</td>
<td>240/120V Split Phase</td>
<td>20kA</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td>STXR480S05</td>
<td>480/240V Split Phase</td>
<td>20kA</td>
<td>320</td>
<td>640</td>
</tr>
<tr>
<td>STXR208Y05</td>
<td>208/120V 3-Phase WYE</td>
<td>20kA</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td>STXR380Y05</td>
<td>380/220V 3-Phase WYE</td>
<td>20kA</td>
<td>320</td>
<td>640</td>
</tr>
<tr>
<td>STXR480Y05</td>
<td>480/277V 3-Phase WYE</td>
<td>20kA</td>
<td>320</td>
<td>470</td>
</tr>
<tr>
<td>STXR600Y05</td>
<td>600/347V 3-Phase WYE</td>
<td>20kA</td>
<td>420</td>
<td>690</td>
</tr>
<tr>
<td>STXR240H05</td>
<td>240/120V Hi-Leg DELTA</td>
<td>20kA</td>
<td>-</td>
<td>320</td>
</tr>
<tr>
<td>STXR480H05</td>
<td>480V 3-Phase DELTA &amp; HRG WYE</td>
<td>10kA</td>
<td>-</td>
<td>550</td>
</tr>
<tr>
<td>STXR600D05</td>
<td>600V 3-Phase DELTA</td>
<td>20kA</td>
<td>-</td>
<td>690</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

### Accessory Description

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Accessory Description</th>
</tr>
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<tbody>
<tr>
<td>STXRMBK</td>
<td>STXR Mounting Bracket Kit. Includes (1) 90 degree bracket and (2) mounting screws</td>
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</tbody>
</table>

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

Red = Normally Closed
Gray = Common
Blue = Normally Open

Audible Alarm
- Alarm sounds when any protection is lost

### Dimensions and Mounting Configurations

<table>
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<tr>
<th>Bracket Mount Option</th>
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3/4"-14 Mounting Hub

Dimensions and Mounting Configurations