The most compact of the STX series offering, the Surge-Trap® Type 1 STXH meets requirements for UL1449 4th Edition and is suitable for any 120/240VAC split phase application. The STXH Series SPD features TPMOV® technology inside making it the safest product available in its category. Its compact size, performance, and reliability are especially ideal for HVAC applications and direct mounting to air condition disconnect switches.

**Features and Benefits:**
- Designed with the industry leading Mersen TPMOV® Technology
- Compact footprint designed to mate with AC Disconnect Switches
- LED status indicator (ON = Good, OFF = Replace)
- NEMA 4X enclosure for outdoor or indoor use
- Fits 1/2” knockouts with 18” leads for easy installation
- For use in ANSI/UL Type 1 or 2 SPD installations
- 3 Modes of Protection (L-N, L-L)
- 3-year warranty

**Ratings:**
- Volts ($U_n$): 120/240VAC Split Phase
- Nominal Discharge Current Rating ($I_{n}$): 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
**GENERAL PRODUCT SPECIFICATIONS**

- **Mounting:** 1/2” – 14 threaded hub
  - Includes sealing locking washer
- **Wiring:** Pre-wired 18” 10 AWG
- **Enclosure:** NEMA 4X Non-metallic
- **Flammability:** UL94-5VA
- **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

<table>
<thead>
<tr>
<th>CATALOG NUMBER (INCLUDES SUFFIXES*)</th>
<th>SYSTEM VOLTAGE AND CONFIGURATION</th>
<th><strong>Iₜ</strong></th>
<th>MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV, Uₜ)</th>
<th>VOLTAGE PROTECTION RATING (VPR) (UL 1449, 6kA, 3kV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STXH120P05</td>
<td>120V Single Phase</td>
<td>20kA</td>
<td>L-N: 150</td>
<td>L-N: 600</td>
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<tr>
<td>STXH240S05</td>
<td>240/120V Split Phase</td>
<td>20kA</td>
<td>L-L: 150</td>
<td>L-L: 300</td>
</tr>
</tbody>
</table>

LED Status Indicator

Visible from side profile through light tube in cover

**Dimensions and Mounting Configurations**

Ideal for Air Conditioning Disconnect Applications