Type 1 / Type 2 Surge Protective Device (SPD) Mounts External to Electrical Distribution Equipment

Features:
- UL 1449-4 Type 2 SPD, UL 1283 Listed, CSA 22.2 No. 269.2
- Optional UL 1449 4th Edition Listed Type 1, CSA 22.2 No. 269.1
- Type 1 / Type 2 SPD
- Mounts external to electrical distribution equipment
- Large block, individually fused, thermally protected, 50 kA MOVs
- 20 kA Iₚ
- 200 kA SCCR (most models)
- All UL required OCP & safety coordination included
- Type 1 SPDs intended for Line or Load side of Main Disconnect
- Type 2 SPDs intended for Load side of Main Disconnect
- UL96A Lightning Protection Master Label compliant
- Designed, manufactured and tested consistent with:
  - NEC Article 285
  - IEC 61643, CE
  - 10 year warranty

- SPD Specifications
  - Surge Current Rating Per Phase
    - Per Phase  | L-N  | L-G  | N-G  |
    - 100 kA   | 50 kA | 50 kA | 50 kA |
    - 150 kA   | 100 kA| 50 kA | 50 kA |
    - 200 kA   | 100 kA| 100 kA| 100 kA|
  - 100% monitoring (Every MOV is monitored, incl. N-G)
  - Individually fused and thermally protected MOVs
  - Solid state bi-directional operation
  - EMI/RFI filtering: Active tracking up to -50 db from 10 kHz to 100 MHz (Type 2 option only, includes UL 1283 Listing)
  - Repetitive impulse: 5,000 hits
  - Less than 1 nanosecond response time
  - Relative humidity range: 0-95% non-condensing
  - Operating frequency: 47-63 Hz
  - Operating temperature: -25°C (-15°F) to +60°C (140°F)

- Standard Configuration
  - Standard NEMA 4X polycarbonate enclosure (UL 746C (f1), UL 94-5VA)
  - Wire size: #8 AWG to #10 AWG
  - Standard size: 6” x 6” x 4” (152 mm x 152 mm x 102 mm)
  - Standard weight: 5 lb. (2.27 kg)

- SPD Monitoring
  - LED indicators
  - Optional dry contact & audible alarm
Ordering Information

Example: TPS3C1110D2 = Type 2 SPD (Default) for a 208/120V application with a surge current capacity of 100 kA per phase, in a standard NEMA 4X enclosure with dry contacts and audible alarm option

Available Accessories:
Ordered Separately
RMSIE - Remote monitor
KITFMXF = Flush mount plate

UL 1449 Fourth Edition - Test Data
Voltage Protection Rating (VPR - 6 kV, 3 kA)

<table>
<thead>
<tr>
<th>Voltage Code</th>
<th>Service Voltage</th>
<th>L-N</th>
<th>L-G</th>
<th>N-G</th>
<th>L-L</th>
<th>I</th>
<th>SCCR</th>
<th>MCOV</th>
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<tbody>
<tr>
<td>A</td>
<td>120/240V, 1Ø, 3W (Fig 1)</td>
<td>700</td>
<td>700</td>
<td>600</td>
<td>1000</td>
<td>20</td>
<td>100 kA</td>
<td>150</td>
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<tr>
<td>B</td>
<td>120/240V, 3Ø, 4W (Fig 3)</td>
<td>700/1200</td>
<td>700/1200</td>
<td>600</td>
<td>1000</td>
<td>20</td>
<td>200 kA</td>
<td>150 / 320</td>
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<td>C</td>
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<td>600</td>
<td>1000</td>
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<td>200 kA</td>
<td>150</td>
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<tr>
<td>D</td>
<td>240V, 3Ø, 3W (Fig 4)</td>
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<td>1200</td>
<td>—</td>
<td>2000</td>
<td>20</td>
<td>200 kA</td>
<td>320</td>
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<tr>
<td>E</td>
<td>277/480V, 3Ø, 4W (Fig 2)</td>
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<td>1200</td>
<td>1200</td>
<td>2000</td>
<td>20</td>
<td>200 kA</td>
<td>320</td>
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<td>F</td>
<td>480V, 3Ø, 3W (Fig 4)</td>
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<td>1800</td>
<td>—</td>
<td>2000</td>
<td>20</td>
<td>200 kA</td>
<td>552</td>
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<td>—</td>
<td>2500</td>
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<td>1200</td>
<td>2000</td>
<td>20</td>
<td>200 kA</td>
<td>320</td>
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<td>1500</td>
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<td>200 kA</td>
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<td>2000</td>
<td>20</td>
<td>200 kA</td>
<td>320</td>
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Notes:
- Available in 100 kA per phase only

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ALH3.8.17DMP FIXED HOLE TO HOLE DIM

NEMA RATING: 4X NON METALLIC
WEIGHTS & DIMENSIONS
SURFACE PROTECTIVE DEVICE (SPD)
CUSTOMER CONNECTIONS PER FIGURES AT LEFT

THREE POLE

TWO POLE