Type 1 / Type 2
Surge Protective Device (SPD) For Line Side or Load Side Applications

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
- Recommended for line side or load side applications
- When “P” option is selected, TPS3 15, Type 1 SPD mounts internal to: SB1, SB3 and Type RCS switchboards, Type WL low voltage switchgear and TIASTAR motor control centers
- Large block, individually fused, thermally protected, 50 kA MOVs
- 20 kA \( I_n \)
- 200 kA SCCR (most models)
- Single TPS6 style replaceable modules
- Provides redundant replaceable module protection for medium to high exposure applications
- Internal rotary disconnect switch included
- 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 | L-L | N-G |
    |-----------|-----|-----|-----|-----|
    | 600 kA    | 200 kA | 200 kA | 200 kA |
    | 900 kA    | 300 kA | 300 kA | 300 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
  - <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 1/12/3R/04 ANSI 61 steel enclosure
  - Internal rotary disconnect switch
  - Wire size: #8 AWG to 1/0
  - Standard size: 20” x 20” x 7” (508 mm x 508 mm x 178 mm) *
  - Standard weight: 64 lb. (29 kg) *
* Other NEMA ratings may increase enclosure size and weight
• SPD Monitoring
• LED indicators
• Audible alarm with silence switch and test button
• Dry contacts
• Surge counter

Ordering Information

Example: TPS3CL15600X02 = 10 Mode, Type 2 SPD (Default) for a 208/120V application with a surge current capacity of 600 kA per phase, in a standard NEMA 1/12/3R/4 enclosure with a surge counter

Available Accessories: Ordered Separately
RMSIE - Remote monitor

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_s</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>700</td>
<td>1000</td>
<td>20 kA</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>700/1000</td>
<td>1000/1800</td>
<td>20 kA</td>
<td>200 kA</td>
<td>150/320</td>
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<tr>
<td>C</td>
<td>120/208V, 3Ø, 4W (Fig 2)</td>
<td>700</td>
<td>700</td>
<td>700</td>
<td>1000</td>
<td>20 kA</td>
<td>200 kA</td>
<td>150</td>
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<tr>
<td>E</td>
<td>277/480V, 3Ø, 4W (Fig 2)</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
<td>1800</td>
<td>20 kA</td>
<td>200 kA</td>
<td>320</td>
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<tr>
<td>K</td>
<td>380/220V, 3Ø, 4W (Fig 2)</td>
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<td>1200</td>
<td>2000</td>
<td>20 kA</td>
<td>200 kA</td>
<td>320</td>
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<tr>
<td>S</td>
<td>400/230V, 3Ø, 4W (Fig 2)</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
<td>2000</td>
<td>20 kA</td>
<td>200 kA</td>
<td>320</td>
</tr>
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