Type 1 / 2 Surge Protection Device (SPD) for Revised P1 Lighting Panelboards

Features:
- Mounts internal to:
  - Revised P1 Lighting Panelboards
  - Consult factory for field retrofit in Revised P1 Lighting Panelboards
- UL 1449-4 Type 2 SPD, UL 1283 Listed, CSA 22.2 No. 269.2
- Optional UL 1449 4th Edition Recognized Type 1, CSA 22.2 No. 269.1
- Type 1 / Type 2 SPD
- Large block, individually fused, thermally protected, 50 kA MOVs
  - 20 kA $I_n$
  - 200 kA SCCR (most models)
- Direct bus connected
- Can be wired to a circuit breaker (consult factory at time of order or see installation manual for retrofit)
- UL96A Lightning Protection Master Label compliant
- 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
- Designed, manufactured and tested consistent with:
  - NEC Article 285
  - IEC 61643, CE
  - 10 year warranty
- Repetitive impulse: 5,000 hits
- Less than ½ nanosecond response time
- Relative humidity range: 1-95% non-condensing
- Operating frequency: 47-63 Hz
- Operating temperature: -25°C (-15°F) to +60°C (140°F)

SPD Specifications
- Surge Current Rating Per Phase
  - Per Phase $I_n$
  - L-N 300 kA
  - L-G 100 kA
  - L-L 100 kA
  - N-G 100 kA
  - 100% monitoring (Every MOV is monitored, incl. N-G)
- EMI/RFI filtering: Active tracking up to -50 db from 10 kHz to 100 MHz (Type 2 option only, includes UL 1283 Listing)
Applications
- Provides main service or downstream protection for sensitive computer and electronic loads
- Standard redundancy use: 150 kA per phase
- Maximum redundancy use: 300 kA per phase

Standard Monitoring
- LED indicators
- Audible alarm with silence switch and test button
- Dry contacts
- Surge counter

Ordering Information

TPS3 □□□ L2 □□□ X □ 2

<table>
<thead>
<tr>
<th>Voltage Code</th>
<th>Surge Current (kA)</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15</td>
<td>2 = Type 2 SPD (Default)</td>
</tr>
<tr>
<td>B</td>
<td>30</td>
<td>Includes UL 1283 EMI/RFI Filters</td>
</tr>
<tr>
<td>C</td>
<td>150 kA per phase</td>
<td>0 = Type 1 SPD (Contact factory)</td>
</tr>
<tr>
<td>E</td>
<td>300 kA per phase</td>
<td>X = Surge counter (Standard)</td>
</tr>
<tr>
<td>S</td>
<td>150 kA per phase</td>
<td></td>
</tr>
</tbody>
</table>

Example: TPS3CL230X2 = 10 Mode Type 2 SPD (Default) for a 208/120V panelboard with a surge current capacity of 300 kA per phase and 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>1s</th>
<th>SCCR</th>
<th>MCOV</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>B</td>
<td>120/240V, 3Ø, 4W (Fig 3)</td>
<td>800/1500</td>
<td>700/1200</td>
<td>700</td>
<td>1800/1800</td>
<td>20 kA</td>
<td>200 kA</td>
<td>150/320</td>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>K</td>
<td>380/220V, 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>
</tr>
<tr>
<td>S</td>
<td>400/230V, 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>
</tr>
</tbody>
</table>

Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092
888-333-3545
info.us@siemens.com

Order No. RPLF-S3L2C-1017
Printed in USA
All Rights Reserved.
©2017 Siemens Industry, Inc.

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer’s particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.