

# SPD - Surge Protective Devices

## TPS3 11

TPS3 11 is a UL 1449 3rd Edition Listed multi-mode Type 1 surge protective device with a per phase surge current capacity that can be increased to 200 kA. In addition, this unit provides UL 1283 listed EMI/RFI or Sine Wave tracking filtering that will condition low energy L-N coupled noise. When installed at the electrical service entrance, it can be used for UL 96A compliance (@ 20 kA  $I_n$ ).

Standard monitoring includes protection status indication LEDs. Complete protection is intact when the status indicators are illuminated. When protection is lost, the status indicator will extinguish and the red service light will illuminate. An audible alarm and dry contacts are available monitoring options.

A new diagnostic feature integrated within the TPS3 11 is Ground Integrity Monitoring or (GIM) diagnostic indication circuit. Ground Integrity Monitoring or (GIM) diagnostics monitors the health of the electrical system's neutral to ground bond. If voltage is seen across neutral and ground, the phase indicators will remain illuminated, while the red service light begins to flash alerting the end user that the electrical system grounding needs to be checked and serviced. This feature can be remotely monitored when the optional dry contacts are included. Siemens TPS3s are one of the first in the industry to offer this power quality safety and performance indication.

### TPS3 11 Key Features

- UL 1449-4 Type 2 SPD and UL 1283 Listed – Optional UL 1449 4th Edition Listed Type 1
- Type 1 / Type 2 SPD
- 100, 150, 200 kA Per Phase Surge Current
- 20 kA  $I_n$  (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored, including N-G
- Mounts external to electrical distribution equipment
- Standard NEMA 4X polycarbonate enclosure (UL 746C (f1), UL 94-5VA)
- Modes of Protection: L-N, L-G, N-G, and L-L
- Standard Monitoring: LED Indicators and Ground Integrity Monitoring diagnostics
- Wire size: #8 AWG to #10 AWG
- Dimensions: 6" x 6" x 4" (152 mm x 152 mm x 102 mm)
- Weight: 5 lb. (2.27 kg)
- 10 Year Product Warranty

### Available Options:

- Dry contacts & Audible Alarm (option "D")



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### Ordering Information

Catalog # **TPS3**  **11**

<p><b>Voltage Code</b></p> <p>A = 120/240 V, 1Ø, 3W          B = 120/240 V, 3Ø, 4W          C = 120/208 V, 3Ø, 4W          D = 240 V, 3Ø, 3W          E = 277/480 V, 3Ø, 4W          F = 480 V, 3Ø, 3W          G = 600 V, 3Ø, 3W<sup>Ⓢ</sup>          K = 380/220 V, 3Ø, 4W          L = 600/347 V, 3Ø, 4W          S = 400/230 V, 3Ø, 4W</p>	<p><b>Surge Current (kA)</b></p> <p>10 = 100 kA per phase          15 = 150 kA per phase          20 = 500 kA per phase</p> <p>Example: <b>TPS3C1110D2</b> = 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.</p> <p>When option <b>D</b> is NOT selected, include a <b>zero (0)</b> in the field.</p>	<p><b>Options</b></p> <p><b>2</b> = Type 2 SPD (Default) Includes UL 1283 EMI/RFI Filters  <b>0</b> = Type 1 SPD (Consult Factory Prior to Ordering)  <b>D</b> = Dry Contacts &amp; audible alarm</p>
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Available Accessories: Ordered Separately

**RMSIE** = Remote monitor  
**KITFMXF** = Flush mount plate

<sup>Ⓢ</sup> Available in 100 kA per phase only