



FOR EXTERNAL MOUNTING

# TPS4 11 Surge Protection Devices

[usa.siemens.com/surge](http://usa.siemens.com/surge)

## Product specifications

### General specifications

Maximum surge current rating range	Standard - 100-250kA per phase
UL Type designation	SPD Type 1 and 2
UL 1449 I-nominal rating	20kA
UL 1449 short circuit current rating	200kA
Repetitive impulse	5,000 hits
Response time	< 1/2 ns

### Physical specifications

Humidity range	0-95% non-condensing
Operating frequency	50-60Hz
Operating temperature	-40°C to +85°C
Dimensions in inches (mm)	6.88" (175) x 6.88" (175) x 2.96" (75)
Weight	3.5 lbs (1588 g)
Typical connection	36" #10 AWG (pre-wired pig tails) R/C leads
Enclosure	NEMA 4X Polycarbonate

### Diagnostic monitoring specifications

Green LEDs per phase
Red service LED
Audible alarm
Form C dry contact, 240V, 5A

### Design specifications

Custom MOV design for high energy handling in Category C locations
Thermally protected MOVs
External parallel connected for mounting next to electrical gear

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# Model Number Catalog Logic

TPS4 11 SPD for External Mounting  
General Suppressor Series

Catalog No. **TPS4**  **11**

**Voltage Code**

- A = 120/240 V, 1Ø, 3W
- B = 120/240 V, 3Ø, 4W
- C = 120/208 V, 3Ø, 4W
- W = 220/127 V, 3Ø, 4W
- D = 240 V, 3Ø, 3W
- E = 277/480 V, 3Ø, 4W
- F = 480 V, 3Ø, 3W
- G = 600 V, 3Ø, 3W
- K = 380/220 V, 3Ø, 4W
- L = 600/347 V, 3Ø, 4W
- S = 400/230 V, 3Ø, 4W
- T = 415/240 V, 3Ø, 4W

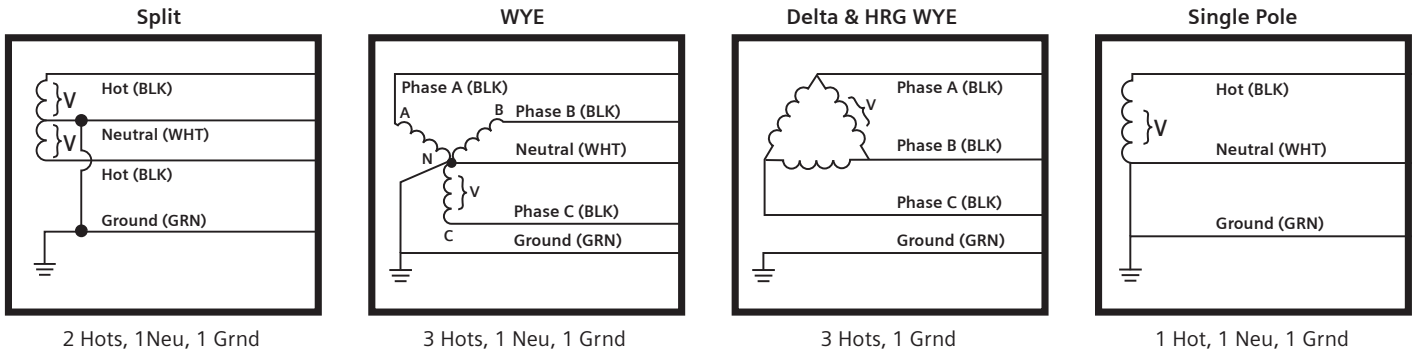
**Surge Current (kA)**

- 10 = 100 kA per phase
- 15 = 150 kA per phase
- 20 = 200 kA per phase
- 25 = 250 kA per phase

**Options**

- 2 = Type 2 SPD (Default)  
Includes UL 1283 EMI/RFI Filters
- 0 = Type 1 SPD (Consult Factory Prior to Ordering)
- D = Dry Contacts & Audible Alarm (Standard)

## Wiring Configurations



Requirements are changing for SPDs. The 2020 National Electric Code (NEC) is requiring SPDs in more locations as standard engineering practice. These include residential main distribution panels and commercial / industrial applications for the following equipment: emergency systems (Article 700.8), elevators, dumbwaiters, escalators, moving walks, platform lifts, and stairway chairlifts (Article 620), critical operations data systems (Article 645), Industrial Machinery (Article 670), and fire pumps (Article 695).

# TPS4 11

Voltage Code	System Voltage	L-N	L-G	L-L	N-G	MCOV
A	120/240V, 1Ø, 3W*	700	800	1200	600	180
B	240/120V, 3Ø, 4W	800/1000	800/900	1200	700	180/275
C	208Y/120V, 3Ø, 4W	600	700	1000	600	150
W	220/127V, 3Ø, 4W	700	700	1200	600	150
D	240V, 3Ø, 3W	-	900	1200	-	275
E	480Y/277V, 3Ø, 4W	1200	1200	2000	1000	320
F	480V, 3Ø, 3W	-	1800	1800	-	550
G	600V, 3Ø, 3W	-	2000	2000	-	680
K	380Y/220V, 3Ø, 4W	1200	1200	2000	1000	320
L	600Y/347V, 3Ø, 4W	1500	1500	2500	1500	440
S	400Y/230V, 3Ø, 4W	1200	1200	2000	1000	320
T	415Y/240V, 3Ø, 4W	1200	1200	2000	1000	320

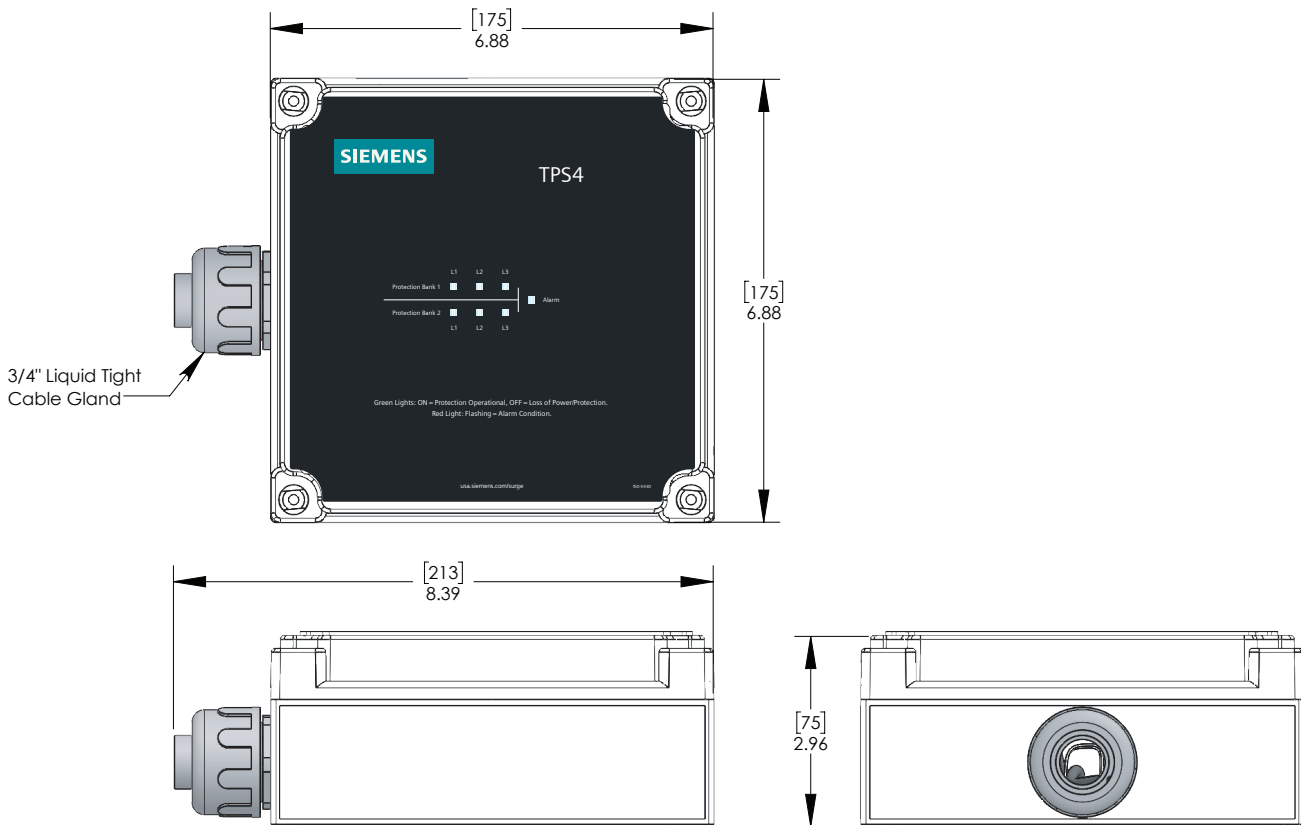
\* Can also be used on 208Y/120V, 1Ø, 3W System

## Standards compliance and certifications

UL 1449 5th Edition, cUL, UL1283, ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, NEC Article 285

ISO 9001:2014 Quality Management System, ISO 17025:2007 Laboratory Certification (UL DAP Program), 100% Quality Tested prior to shipping

## Product Diagram [in millimeters] and inches



**Legal Manufacturer**

Siemens Industry, Inc.  
3617 Parkway Ln  
Peachtree Corners, GA 30092  
United States of America

Telephone: +1 (800) 333-7421  
[www.usa.siemens.com/surge](http://www.usa.siemens.com/surge)

Order No. RPF-TPS411-1223  
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