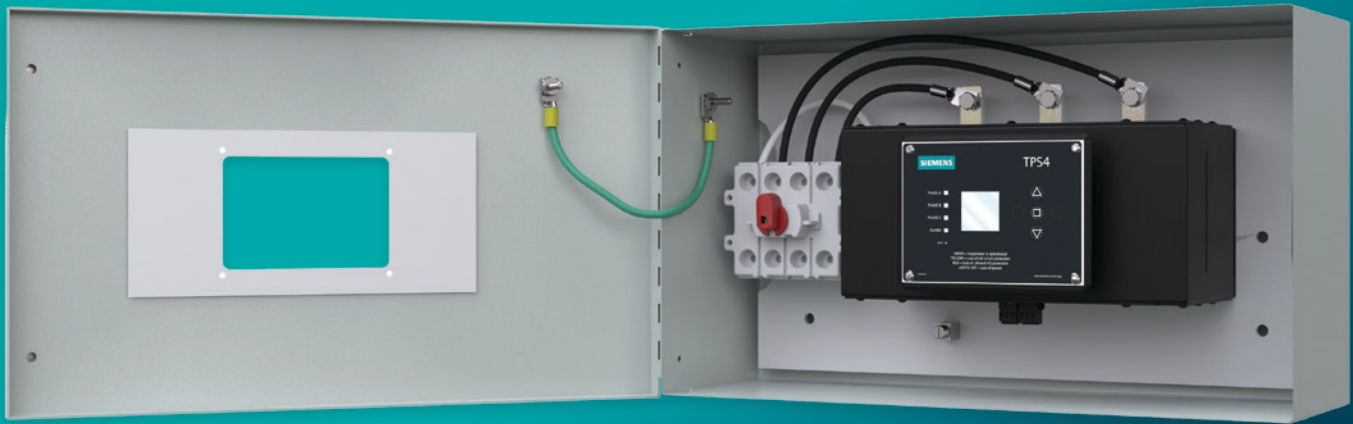


SIEMENS



FOR POWER PANELS AND SWITCHBOARD DISTRIBUTION

TPS Surge Protection Device Comparison

[siemens.ca/powerdistribution](https://www.siemens.ca/powerdistribution)



TPS3 Surge Protection Device

Catalog Number **TPS3** ☐ **05** ☐ ☐ ☐ ☐

Voltage Code

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^①
 K = 380/220 V, 3Ø, 4W
 L = 600/347 V, 3Ø, 4W
 S = 400/230 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
 30 = 300 kA per phase

Options

X = Surge counter (Standard)

2 = Type 2 SPD (Default)
 Includes UL 1283 EMI/RFI Filters
0 = Type 1 SPD
 (Consult Factory Prior to Ordering)

Example: TPS3C0530X2 =

Type 2 SPD (Default) for a 208/120V power panel with a surge current capacity of 300 kA per phase and a surge counter.

When an option is not selected, include a **zero (0)** in the field.

① Available in 100 kA & 150 kA only



TPS4 Surge Protection Device

Catalog Number **TPS4** ☐ **05** ☐ ☐ **X** ☐

Voltage Code

A = 240/120V, 1Ø, 3W (Figure 1)
 B = 240/120V, 3Ø, 4W (Figure 3)
 C = 208/120V, 3Ø, 4W (Figure 2)
 W = 220/127V, 3Ø, 4W (Figure 2)
 D = 240V, 3Ø, 3W (Figure 4)
 E = 480/277V, 3Ø, 4W (Figure 2)
 F = 480V, 3Ø, 3W (Figure 4)
 G = 600V, 3Ø, 3W (Figure 4)*
 K = 380/220V, 3Ø, 4W (Figure 2)
 L = 600/347V, 3Ø, 4W (Figure 2)
 S = 400/230V, 3Ø, 4W (Figure 2)
 T = 415/240V, 3Ø, 4W (Figure 2)

*Not available in 300, 400 or 500kA versions

Surge Current Rating

10 = 100kA per phase
 15 = 150kA per phase
 20 = 200kA per phase
 25 = 250kA per phase
 30 = 300kA per phase
 40 = 400kA per phase
 50 = 500kA per phase

Example: TPS4C0520X2 =

SPD for a 208/120V panelboard with a surge current capacity of 200kA per phase and Type 2 SPD.

Options (1 Alpha numeric Character)

X = Surge Counter (Standard)

2 = Type 2 SPD
 (Default) Includes UL 1283 EMI/RFI Filter
0 = Type 1 SPD

Features/Specifications	TPS3	TPS4
SCCR	200kA	200kA
I-nominal	20kA (Most models)	20kA (All models)
UL & CSA	1449 recognized /1283	UL 1449 listed / 1283 & CSA C22.2 No. 269
Modes of Protection (Standard)	L-N, L-G, N-G, L-L	L-N, L-G, N-G, L-L
	7 discrete modes of protection (L-N x3, L-G x3, N-G) and 3 indirect modes (L-L through N or G)	7 discrete modes of protection (L-N x3, L-G x3, N-G) and 3 indirect modes (L-L through N or G)
Modes of Protection (10 Mode)	L-N, L-G, N-G, L-L	L-N, L-G, N-G, L-L
	Directly connected discrete protection elements between all possible modes providing true 10 mode protection.	Directly connected discrete protection elements between all possible modes providing true 10 mode protection.
Suppression Architecture	36mm Thermally Protected MOV	50mm Thermally Protected MOV Pill Stack
EMI/RFI Filtering	Type 2 only	Type 2 only
SPD Type	1 & 2	1 & 2
Audible Alarms	Yes	Yes
Visual Indicators	Green LEDs per phase & red service LED	Green LEDs per phase & red service LED
Dry Contacts	Yes	Yes
Diagnostics	Incremental surge counter	Event counter and description with time & date stamp
Warranty	10 Years	10 Years
Surge Current Rating	Standard - 100kA – 300kA	Standard - 100kA – 500kA
	10 mode – 150kA – 300kA	10 mode – 150kA – 750kA
TPS Family	05 - Power Panels (S5, F2), Switchboard Distribution	05 - Power Panels (S5, F2), Switchboard Distribution
	120/240V, 1Ø, 3W	120/240V, 1Ø, 3W
System Voltage	240/120V, 3Ø, 4W	240/120V, 3Ø, 4W
	208Y/120V, 3Ø, 4W	208Y/120V, 3Ø, 4W
	–	220/127V, 3Ø, 4W
	240V, 3Ø, 3W	240V, 3Ø, 3W
	480Y/277V, 3Ø, 4W	480Y/277V, 3Ø, 4W
	480V, 3Ø, 3W	480V, 3Ø, 3W
	600V, 3Ø, 3W	600V, 3Ø, 3W
	380Y/220V, 3Ø, 4W	380Y/220V, 3Ø, 4W
	600Y/347V, 3Ø, 4W	600Y/347V, 3Ø, 4W
	400Y/230V, 3Ø, 4W	400Y/230V, 3Ø, 4W
	–	415Y/240V, 3Ø, 4W

Voltage Protection Rating (how much surge gets passed the SPD to the load; lower is better)

TPS3						TPS4					
Voltage Code	System Voltage	L-N	L-G	L-L	N-G	Voltage Code	System Voltage	L-N	L-G	L-L	N-G
A	120/240V, 1Ø, 3W	700	700	1200	700	A	120/240V, 1Ø, 3W	700	600	1000	600
B	240/120V, 3Ø, 4W	700/1500	700/1200	1800	700	B	240/120V, 3Ø, 4W	700/900	600/800	1200/1200	600
C	208Y/120V, 3Ø, 4W	700	700	1200	700	C	208Y/120V, 3Ø, 4W	600	500	900	500
W	220/127V, 3Ø, 4W	–	–	–	–	W	220/127V, 3Ø, 4W	700	600	1000	600
D	240V, 3Ø, 3W	–	1200	1500	–	D	240V, 3Ø, 3W	–	900	900	–
E	480Y/277V, 3Ø, 4W	1200	1200	2000	1200	E	480Y/277V, 3Ø, 4W	1200	1000	1800	1000
F	480V, 3Ø, 3W	–	1800	1800	–	F	480V, 3Ø, 3W	–	1800	1800	–
G	600V, 3Ø, 3W	–	2500	2500	–	G	600V, 3Ø, 3W	–	1800	1800	–
K	380Y/220V, 3Ø, 4W	1500	1200	2500	1200	K	380Y/220V, 3Ø, 4W	1000	900	1800	900
L	600Y/347V, 3Ø, 4W	1500	1500	2500	1500	L	600Y/347V, 3Ø, 4W	1500	1500	2500	1200
S	400Y/230V, 3Ø, 4W	1500	1200	2500	1200	S	400Y/230V, 3Ø, 4W	1000	900	1800	900
T	415Y/240V, 3Ø, 4W	–	–	–	–	T	415Y/240V, 3Ø, 4W	1000	900	1800	900