

FOR SWITCHBOARDS AND LOW VOLTAGE SWITCHGEAR

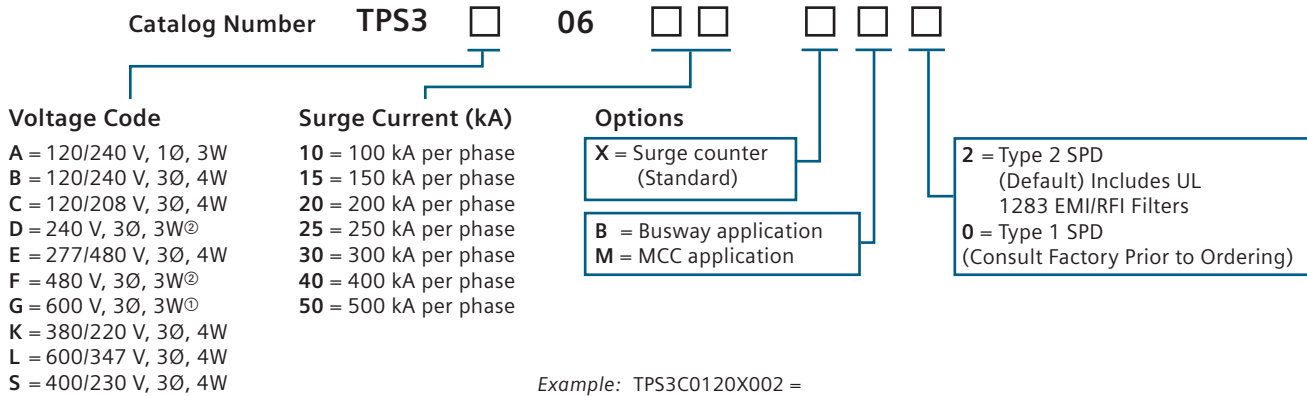
TPS Surge Protection Device Comparison

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SIEMENS



TPS3 Surge Protection Device



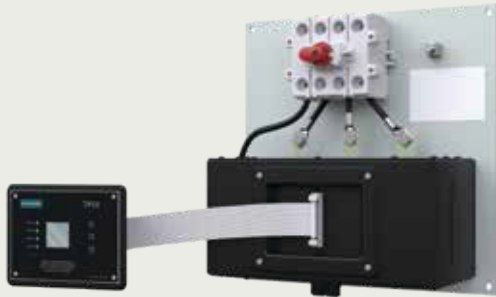
Example: TPS3C0120X002 =

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

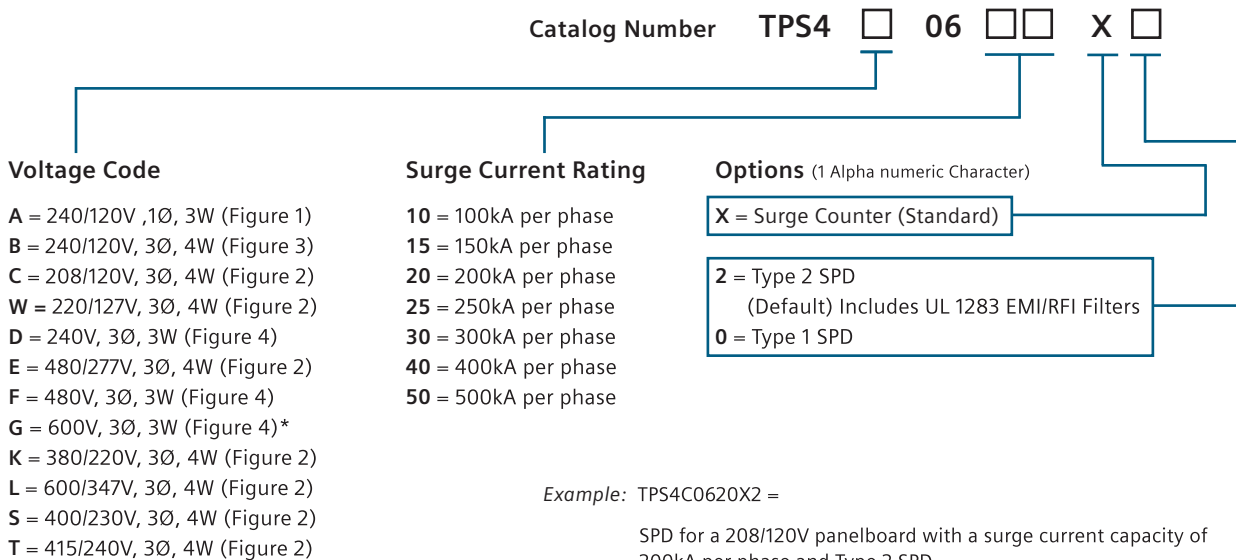
When an option is not selected, include a **zero (0)** in the field.

[ⓐ] G voltage code only available in 200 & 250 kA

[ⓑ] Not available in 500 kA



TPS4 Surge Protection Device



Example: TPS4C0620X2 =

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

*Not available in 300, 400 or 500kA versions

Features/Specifications	TPS3	TPS4
SCCR	200kA	200kA
I-nominal	20kA	20kA
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	Mersen TPMOV (Thermally Protected MOV)	Thermally Protected MOV Pill Stack
EMI/RFI Filtering	Yes, Type 2 Only	Yes, 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	Surge counter	Event counter and description with time & date stamp
Warranty	10 Years	10 Years
Surge Current Rating	Standard - 100kA – 500 kA	Standard - 100kA – 500kA
	10 mode – 150kA – 450 kA	10 mode – 150kA – 750kA
TPS Family	06 - Switchboards and Low Voltage Switchgear, portion of Busway, portion of MCC	06 - Switchboards and Low Voltage Switchgear
		All MCC and Busway applications are covered with TPS4 01
System Voltage	120/240V, 1Ø, 3W	120/240V, 1Ø, 3W
	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	600	600	1000	600
B	240/120V, 3Ø, 4W	700/1200	700/1200	1800	700	B	240/120V, 3Ø, 4W	600/900	600/800	1200/1200	600
C	208Y/120V, 3Ø, 4W	700	700	1200	700	C	208Y/120V, 3Ø, 4W	600	500	900	600
W	220/127V, 3Ø, 4W	-	-	-	-	W	220/127V, 3Ø, 4W	600	600	1000	600
D	240V, 3Ø, 3W	-	1200	1200	-	D	240V, 3Ø, 3W	-	800	900	-
E	480Y/277V, 3Ø, 4W	1200	1200	2000	1200	E	480Y/277V, 3Ø, 4W	1000	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	1200	1200	2000	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	1200	2500	1200
S	400Y/230V, 3Ø, 4W	1200	1200	2000	1200	S	400Y/230V, 3Ø, 4W	1000	900	1800	900
T	415Y/240V, 3Ø, 4W	-	-	-	-	T	415Y/240V, 3Ø, 4W	1000	900	1800	900

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