

TPS3 05

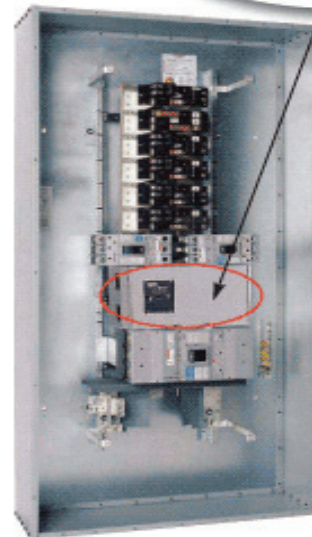
Surge Protection Device (SPD) for S5 & F2 Powerpanel and SMP, FC1, FC2 Distribution Switchboards

Features:

- Mounts internal to:
 - S5 & F2 powerpanel and distribution switchboards
 - UL 1449 3rd Edition – 2009, cUL
 - Type 1 SPD (Type 2 cUL)
 - Large block, individually fused, thermally protected, 50 kA MOVs
 - 20 kA I_n (most models)
 - 200 kA SCCR (most models)
 - All UL-required OCP & safety coordination included
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- Panelboard Features
 - Copper or aluminum bus
 - MB or MLO
 - Switchboard Features
 - Copper or aluminum bus
 - 200% rated neutral bus for harmonic-rich applications
 - CSA, UL 891, UL 67 and NEMA PB-2
 - Applications
 - Provides main service or downstream protection for sensitive computer and electronic loads
 - Standard redundancy use: 100 kA per phase
 - Increased redundancy use: 200 kA per phase
 - Maximum redundancy use: 300 kA per phase
 - SPD Specifications
 - Surge Current Rating Per Phase

Per Phase	L-N	L-G	N-G
100 kA	50 kA	50 kA	50 kA
150 kA	100 kA	50 kA	50 kA
200 kA	100 kA	100 kA	100kA
250 kA	150 kA	100 kA	100 kA
300 kA	150 kA	150 kA	150 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
 - Repetitive impulse: 5,000 hits
 - Less than 1/2 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)



UL 1449 3rd Edition SPD

SIEMENS

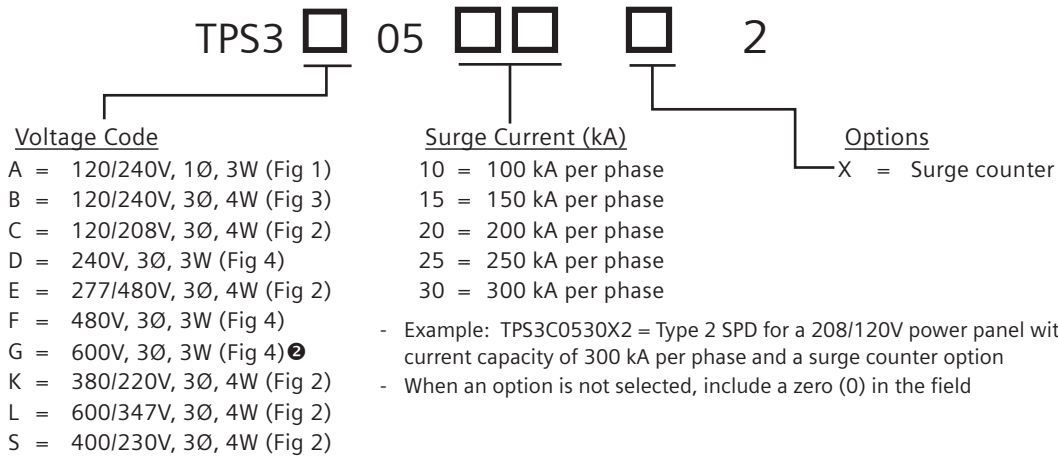
- SPD Features
 - UL 1449 3rd Edition effective September 2009
 - Designed, manufactured & tested consistent with:
 - ANSI/IEEE C62.41.1-2002, C62.41.2-2002, and C62.45-2002
 - 1992/2000 NEMA LS-1
 - NEC® Article 285
 - IEC 61643, CE
 - Large block, individually fused, thermally protected, 50 kA MOVs
 - Internal rotary disconnect switch
 - 10 year warranty

- SPD Monitoring
 - LED indicators
 - Audible alarm with silence switch and test button
 - Dry contacts
- Available Options
 - Surge counter
- Available Accessories
 - RMSIE = Remote monitor

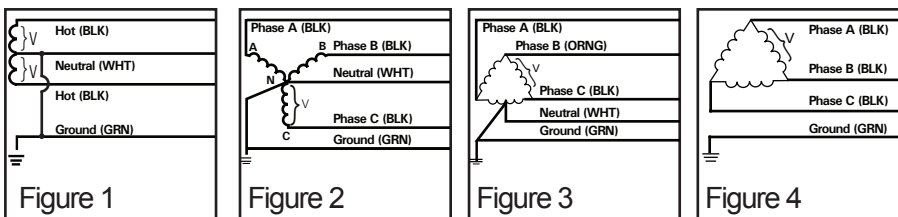
- Key Bid Specifications
 - UL 1449 3rd Edition - 2009, cUL
 - Audible alarm with silence switch and test button
 - Type 2 SPD❶
 - Dry contacts
 - EMI/RFI filtering
 - Protection modes on L-N, L-G, L-L, N-G
 - I_n Rating - 20 kA
 - Short Circuit Current Rating - 200 kA
 - Surge Current Rating
 - Per Phase = L-N + L-G
 - 100 kA 50 kA 50 kA

Ordering Information

Catalogue #



UL 1449 3rd Edition - 2009 Test Data Summary									
Voltage Protection Rating (VPR - 6kV, 3 kA)									
Voltage Code	Service Voltage	L-N	L-G	N-G	L-L	Type❶	I _n	SCCR	MCOV
A	120/240V, 1Ø, 3W (Fig 1)	800	700	700	1200	Type 2	20 kA	100 kA	150
B	120/240V, 3Ø, 4W (Fig 3)	800 / 1500	700 / 1200	700	1800 / 1800	Type 2	20 kA	200 kA	150 / 320
C	120/208V, 3Ø, 4W (Fig 2)	800	700	700	1200	Type 2	20 kA	200 kA	150
D	240V, 3Ø, 3W (Fig 4)		1200		1500	Type 2	20 kA	200 kA	320
E	277/480V, 3Ø, 4W (Fig 2)	1500	1200	1200	2500	Type 2	20 kA	200 kA	320
F	480V, 3Ø, 3W (Fig 4)		1800		1800	Type 2	10 kA	200 kA	552
G	600V, 3Ø, 3W (Fig 4)		2500		2500	Type 2	10 kA	200 kA	690
K	380/220V, 3Ø, 4W (Fig 2)	1500	1200	1200	2500	Type 2	20 kA	200 kA	320
L	600/347V, 3Ø, 4W (Fig 2)	1500	1500	1500	2500	Type 2	10 kA	200 kA	420
S	400/230V, 3Ø, 4W (Fig 2)	1500	1200	1200	2500	Type 2	20 kA	200 kA	320



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www.siemens.ca/surge
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Notes:

- ❶ Type 1 UL
- ❷ Available 100 kA & 150 kA only