

Surge Protection Device (SPD) for P1, P2, and P3 Lighting and Power Distribution Panelboards

TPS 9i

- P1 - Field Retrofit or Factory Install
- P2 and P3 - Factory Install Only.
Consult factory for Field Retrofit

PANELBOARD FEATURES

- Copper or aluminum bus
- 200% rated panelboard neutral bus for harmonic-rich applications
- Top or bottom feed
- Flush or surface mounting panelboard trim
- MB or MLO
- Up to 42 circuit capacity
- Standard panel trim package and can size

APPLICATIONS

- Provides main service entrance or downstream protection for sensitive computer and electronic loads:

Standard redundancy use **80kA**
Increased redundancy use **100kA**

SPD SPECIFICATIONS

- Modes of Protection

Model	L-N	L-G
80kA	40kA	40kA
100kA	50kA	50kA
- Less than 1/2 nanosecond response time
- Service entrance rated
- 200,000 AIC fuses
- Relative humidity range: 0 - 100% non-condensing
- Operating frequency: 47 - 400Hz
- Operating temperature: -40°C to +65°C



cUL/UL 1449 Second Edition Revision
(February 9, 2007, aka Rev 2.5)

SIEMENS

SPD FEATURES

- UL 1449 Second Edition Revision Effective Feb 9, 2007 (aka UL 1449 Rev 2.5)
- Designed and tested in accordance with IEEE C62.41.1, C62.41.2, and C62.45
- Fast acting 20mm MOV's
- Field installation kits available for retrofit applications with UL 1449 Rev. 2.5 listing
- Installs into standard tub. Can be retrofitted into panelboards manufactured since 1991
- Modes of protection: L-N, L-G, and L-L
- 5 Year Warranty

SPD FEATURES

- Multistage protection circuit
- Fast acting 20mm MOV's

STANDARD MONITORING

- LED Indicators

KEY BID SPECIFICATION ITEMS

Panelboard

CSA 22.2 No. 29, UL 67, and UL 50
NEMA PB1 and NEMA 250
Federal Specification WP115C
UL 1449 Rev. 2.5 Listed

SPD

UL 1449 Rev. 2.5, UL 1283, and cUL Listed
(Optional) EMI/RFI Filtering
UL Suppression of 400V/900V
Modes of Protection L-N, L-G, and L-L
Surge Capacity:

Per Phase =	L-N	+	L-G
80kA	40kA		40kA
100kA	50kA		50kA

Category C High Tested

ORDERING INFORMATION

Catalog#	TPS	09	i
<u>Voltage Code</u>		<u>Surge Current (kA)</u>	
A = 120/240V 1Ø 3W		080	
B = 240/120V 3Ø 4W		100	
C = 208Y/120V 3Ø 4W			
D = 240V 3Ø 3W			
E = 480Y/277V 3Ø 4W			
F = 480V 3Ø 3W			
K = 380Y/220V 3Ø 4W			

Example: TPSC9080j 120/208 TVSS with a surge capacity of 80kA/Phase.

Service Voltage and UL 1449 Rev. 2.5 Suppression Ratings

VOLTAGE CODE	SERVICE VOLTAGE	L-N	L-G	L-L	MCOV
A	120/240V 1Ø 3W	400	400	700	150
B	240/120V 3Ø 4W	400/800	400/800	700	150/275
C	208Y/120V 3Ø 4W	400	400	700	150
D	240V 3Ø 3W		800	1000	275
E	480Y/277V 3Ø 4W	900	900	1500	320
F	480V 3Ø 3W		1500	1800	640
K	380Y/220V 3Ø 4W	900	900	1500	320

Siemens Energy & Automation, Inc.
3333 Old Milton Parkway
Alpharetta, GA 30005

888.333.3545
info.sea@siemens.com

www.sea.siemens.com/power

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