

Type 1 Surge Protective Device (SPD) Mounts External to Electrical Distribution Equipment or Internal to P1, P2 Lighting Panelboards, P3 Power Panelboards and Busway Systems

Features:

- UL 1449 4th Edition Listed Type 1, CSA 22.2 No. 269.1
- Type 1 SPD
- Mounts external to electrical distribution equipment
 - Weatherproof hub included
- Mounts internal to P1 panelboards & busway
 - P1 Field retrofit or factory install
 - P2 and P3 Factory install only Consult factory for field retrofit
- Large block, individually fused, thermally protected, 50 kA MOVs
- 20 kA I_n
- 200 kA SCCR (most models)
- Designed, manufactured and tested consistent with:
 - ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-2010, C62.72-2016 & CSA C22.2 No. 269.1
 - 1992/2000 NEMA LS-1
 - NEC Article 285
 - IEC 61643, CE
- All UL required OCP & safety coordination included
 - Type 1 SPDs intended for Line or Load side of Main Disconnect
- 10 year warranty
- UL96A Lightning Protection Master Label compliant

- SPD Specifications
 - Surge Current Rating Per Phase

 Per Phase
 L-N
 L-G
 N-G

 100 kA

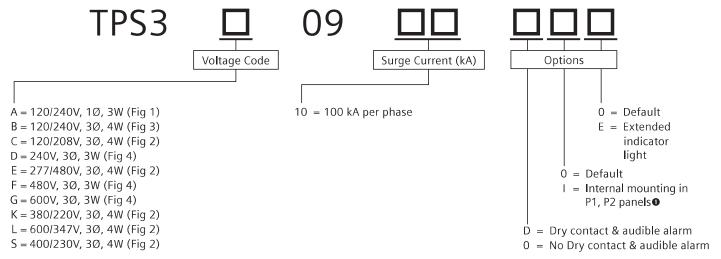
 50 kA

 50 kA
 - Protection modes on L-N, L-G, L-L, N-G
 - 100% monitoring (Every MOV is monitored, incl. N-G)
 - Individually fused and thermally protected MOVs
 - Solid state bi-directional operation
 - Repetitive impulse: 5,000 hits
 - <1 nanosecond response time
 - Relative humidity range: 0-95% non-condensing
 - Operating frequency: 47-63 Hz
 - Operating temperature:
 -40°C (-40°F) to +85°C (185°F)
- Standard Configuration
 - Standard NEMA 4X polycarbonate enclosure (UL 746C (f1), UL 94-5VA)
 - Wire size: Prewired with 3' (91.4 cm) of #10 AWG
 - Standard size: 8.3" x 3.6" x 3.0" (211 mm x 91 mm x 77 mm)
 - Standard weight: 3 lb. (1.4 kg)
- SPD Monitoring
 - LED indicators
 - Optional dry contact & audible alarm





Ordering Information



Example: TPS3C0910D00 = Type 1 SPD for a 208/120V panelboard with a surge current capacity of 100 kA per phase with standard NEMA 4X enclosure, dry contacts and audible alarm option.

Available for field retrofit in P1 panels

Available Accessories: Ordered Separately

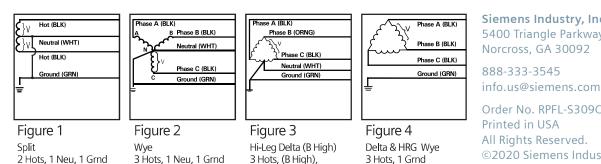
RMSIE = Remote monitor

XMFMKIT = Flush mount plate

TPS9IKITP1 = Mounting bracket for installation in P1 panels TPS9IKITP2 = Mounting bracket for installation in P2 panels

(factory install only)

UL 1449 Fourth Edition - Test Data Voltage Protection Rating (VPR - 6 kV, 3 kA)								
Voltage Code	Service Voltage	L-N	L-G	N-G			SCCR	MCOV
Α	120/240V, 1Ø, 3W (Fig 1)	600	700	600	1000	20 kA	100 kA	150
В	120/240V, 3Ø, 4W (Fig 3)	600/1200	700 /1200	600	1000/1000	20 kA	200 kA	150/320
С	120/208V, 3Ø, 4W (Fig 2)	600	700	600	1000	20 kA	200 kA	150
D	240V, 3Ø, 3W (Fig 4)	_	1200	_	1200	20 kA	200 kA	320
Е	277/480V, 3Ø, 4W (Fig 2)	1200	1200	1000	1800	20 kA	200 kA	320
F	480V, 3Ø, 3W (Fig 4)	_	1800	_	1800	20 kA	200 kA	552
G	600V, 3Ø, 3W (Fig 4)	_	2500	_	2500	20 kA	200 kA	690
K	380/220V, 3Ø, 4W (Fig 2)	1200	1200	1000	1800	20 kA	200 kA	320
L	600/347V, 3Ø, 4W (Fig 2)	1500	1500	1500	2500	20 kA	200 kA	420
S	400/230V, 3Ø, 4W (Fig 2)	1200	1200	1000	1800	20 kA	200 kA	320



1 Neu, 1 Grnd

Notes:

Requires TPS9IKITP1 or TPS9IKITP2 mounting bracket accessory, see available Accessories. Prewired cables are extended from 3 feet to 6 feet.

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