

# SPD - Surge Protective Devices

## TPS3 Integral or Internally Mounted SPDs

Selection

### TPS3 01 and TPS3 L1 (True or Discrete 10-Mode)

Siemens TPS3 01 and L1 surge protective devices are designed for integration within our P1, P2, and P3 power distribution panel boards, as well as TIASTAR motor control centers and busway systems. The TPS3 01 and L1 SPDs feature Ground Integrity Monitoring (GIM) diagnostics

#### TPS3 01 and TPS3 L1 Key Features

- UL 1449-4 Type 2 SPD and UL 1283 Listed
  - Optional UL 1449 4th Edition Listed Type 1
- Type 1 / Type 2 SPD
- 100 - 300 kA Per Phase Surge Current
- 20 kA  $I_n$  (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Large block, individually fused, thermally protected, 50kA MOVs
- Every MOV is monitored, including N-G
- Mounts internal to:
  - P1, P2, and P3 panels
  - TIASTAR motor control centers – standard 6"bucket
  - STP series busplug on SX series busway
- Consult factory for field retrofit in P1 panels
- Modes of Protection: L-N, L-G, N-G, and L-L
- All UL required OCP & safety coordination included
  - Type 1 SPDs intended for Line or Load side of Main Disconnect
  - Type 2 SPDs intended for Load side of Main Disconnect
- Standard Monitoring: LED Indicators, Surge Counter, Dry Contacts, Audible Alarm w/ silence switch & test button
- Dimensions: 11.5" x 7.2" x 4.5"  
(292.1 mm x 182.9 mm x 114.3 mm)
- Weight: 4.55 lb. (2.06 kg)
- Designed, manufactured & tested consistent with:
  - ANSI / IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-1010, C62.72-2007 and CSA C22.2 No. 269.1 and 269.2
  - 1992/2000 NEMA LS-1
  - NEC Article 285
  - IEC 61643, CE
- 10 Year Product Warranty

#### Available Options:

- Direct bus connected or can be wired to a circuit breaker (include W option)



TPS3 01

#### Ordering Information

Catalog #	TPS3 □ 01 □□ □□□□	Voltage Code	Surge Current (kA)	Options	
		A = 120/240 V, 10, 3W	10 = 100 kA per phase	X = Surge counter (Standard)	2 = Type 2 SPD (Default)
		B = 120/240 V, 30, 4W	15 = 150 kA per phase		Includes UL 1283 EMI/ RFI Filters
		C = 120/208 V, 30, 4W	20 = 200 kA per phase		0 = Type 1 SPD (Consult Factory Prior to Ordering)
		D = 240 V, 30, 3W	25 = 250 kA per phase		
		E = 277/480 V, 30, 4W	30 = 300 kA per phase		
		F = 480 V, 30, 3W			
		G = 600 V, 30, 3W <sup>①</sup>			
		K = 380/220 V, 30, 4W			
		L = 600/347 V, 30, 4W			
		S = 400/230 V, 30, 4W			

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.

Available Accessories: [Ordered Separately](#)

RMSIE = Remote monitor

<sup>①</sup> Available in 100 kA & 150 kA only



TPS3 L1

#### Ordering Information

Catalog #	TPS3 □ L1 □□ □□□□	Voltage Code	Surge Current (kA)	Options	
		A = 120/240 V, 10, 3W	15 = 150 kA per phase	X = Surge counter (Standard)	2 = Type 2 SPD (Default)
		B = 120/240 V, 30, 4W	30 = 300 kA per phase		Includes UL 1283 EMI/ RFI Filters
		C = 120/208 V, 30, 4W			0 = Type 1 SPD (Consult Factory Prior to Ordering)
		E = 277/480 V, 30, 4W			
		K = 380/220 V, 30, 4W			
		S = 400/230 V, 30, 4W			

Example: TPS3CL130X002 = 10 Mode Type 2 SPD (Default) for a 208/120V panelboard 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.

Available Accessories: [Ordered Separately](#)

RMSIE = Remote monitor