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Siemens TPS3 family of hardwired Surge Protective Devices

(formally known as Surge/Lightning Arrestors and/or Transient Voltage Surge Suppressors –TVSS)

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Integrally Mounted SPDs



Features

- Per Phase Surge Current Capacity ranging from 100 kA to 1000 kA
- Industry best VPRs
- $I_n = 20$ kA (most models)
- Across the board UL 96A compliance (most models)
- Ground Integrity Monitoring (GIM) diagnostics

External or Wall Mounted SPDs



Features

- Per Phase Surge Current Capacity ranging from 50 kA to 1000 kA
- Industry best VPRs
- $I_n = 20$ kA (most models)
- Across the board UL 96A compliance (most models)
- Ground Integrity Monitoring (GIM) diagnostics (excluding TPS3 03 & TPS3 09)

Residential SPDs



See pages 1-45 and 1-46

Features

- Per Phase Surge Current Capacity of 40 kA or 50 kA
- Complete Service Protection for
 - Power
 - Telephone
 - Coax
- Ground Integrity Monitoring (GIM) diagnostics

SPD - Surge Protective Devices

Siemens Surge Protection Innovations

Introduction

In today's electronic world, home and business electrical systems just aren't complete unless they incorporate surge protection. **Stopping Surges Before They Get Into** these systems is best accomplished through the installation of appropriately sized hard-wired surge protective devices (SPDs) beginning at the incoming service followed by installations at other key surge entry points.

When Siemens first developed the Transient Protection System (TPS) family of surge protectors, we knew early on that hard-wired surge protectors needed fully coordinated safety controls. This led to the adoption of a number of SPD

industry safety control firsts including the patented Ceramgard and TranSafe circuitry, coordinated fusing and thermal cutouts, dielectric isolation, mechanical re-enforcing taping, etc... resulting in a design that ensures the highest possible electrical system surge protection and reliability.








Our next generation UL 1449 3rd Edition TPS3 SPDs carry on this same legacy. Every TPS3 is infused with Siemens engineering safety and performance "know-how." Siemens SPDs have the highest degree of safety while delivering the industry's best performance ratings – some of the lowest Voltage Protection

Ratings (VPRs), 'Type 1' and 20 kA I-nominal ratings (for most models) with surge current ratings from 50 to 1000 kA.

Electrical disturbances will always occur, but they don't have to cause surge protectors to fail in an unsafe manner. Safer surge protection means uncompromised electrical system **protection, safety, and reliability.**

The following pages provide additional technical and ordering information concerning our TPS3 family of Surge Protective Devices (SPDs).

Surge Protector Per Phase Surge Current Capacities

Wall Mounted Standard Mode						10 Mode SPDs		
	TPS3 03	TPS3 09	TPS3 11	TPS3 12	TPS3 15		TPS3L 12	TPS3L 15
Per Phase Surge Current						Per Phase Surge Current		
50 kA						150 kA		
100 kA						300 kA		
150 kA						450 kA		
200 kA						600 kA		
250 kA						900 kA		
300 kA								
400 kA								
500 kA								
600 kA								
800 kA								
1000 kA								

SPD - Surge Protective Devices

Recommending Surge Protection

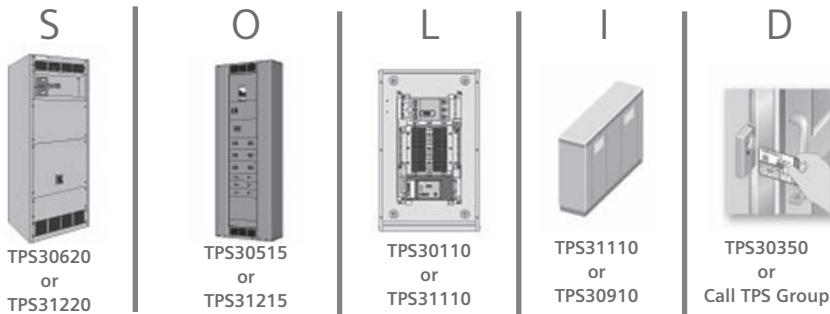
SOLID Protection

Either at home or in the work place, nearly every electrical load is electronic infused. With today's power quality being the same as it was 50 years ago, equipment is more susceptible to surge damage and/or disruption generated by normal electrical distribution interactions. Places where lightning activity is minimal are now experiencing more electronic failures due to surges generated by the day to day operations of equipment like washers and

dryers, copiers, chillers, etc. Designers, a few years ago, never gave thought to the need of incorporating surge protection within their designs. They are now reconsidering this practice. Government studies suggest that the most efficient way to protect electrical systems from surges is through the installation and application of hardwired SPDs at key points within the distribution system.

To ensure complete electrical system surge protection, Siemens recommends implementing a "SOLID" electrical system surge protection installation. "SOLID" systems incorporate hardwired SPDs at the incoming electrical service to stop surges originating from the utility service. This is followed by hardwiring additional SPDs at other distribution system surge entry points.

The illustration to the right shows "SOLID" locations that are typically present a school's electrical system. Each letter from the word "SOLID" stands for the location on the distribution system where surge protection is to be installed. For each location, we list the most common integral or wall mounted specified Siemens TPS3.




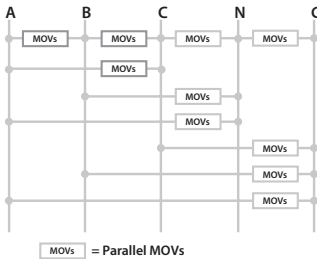
Service Entrance

Outside loads like Parking Lot Lighting powered from distribution panels

Lower voltage distribution panels powering computers and other electronics

Individual critical equipment like servers

Data, telephone, and coaxial cables

Surge Arrestor Replacement	Discrete or True 10 Mode Style SPDs
 <p>TPS3 03 Type 1 SPD with $I_n = 20$ kA</p> <p>Low voltage surge and lightning arrestors became obsolete when UL 1449 3rd edition went into effect in 2009.</p> <p>They were replaced with Type 1 SPDs having an I-nominal (I_n) rating equal to 20 kA. Most all Siemens TPS3s are rated as Type 1, $I_n=20$ kA SPDs. However, the style and form factor of traditional surge arrestors is best replaced using our TPS3 03.</p>	 <p>For mission critical or high profile applications, a growing number of end users prefer the assurance discrete or true 10-mode SPDs provide.</p> <p>When surges traverse the electrical system via phase to phase conductors, standard SPDs indirectly protect via the line to neutral or line to ground modes of protection. Siemens integral or wall mounted "Discrete" or "True" 10-mode SPDs address L-L surges by incorporating directly connected line to line surge protection elements. This style of SPD provides the "Just in Case" assurance mission critical or high profile projects require.</p>

SPD - Surge Protective Devices

TPS3 Integral or Internally Mounted SPDs

Selection

Siemens Integral TPS3 series surge protectors are UL 1449 3rd Edition factory-installed SPDs mounted within our standard distribution equipment. Internally mounted SPDs maximize protection by keeping electrical connections as short as possible, which minimizes impedance losses. The results are some of the industry's best "installed" Voltage Protection Ratings. In addition to this performance benefit, our integral SPDs share the following features:

- UL 1449 3rd Edition and UL 1283
- UL Type 1 or Type 4 tested as Type 1 or 2 SPDs
- 20 kA I_n (most models)
- Ground Integrity Monitoring diagnostics
- 200 kA SCCR (most models)
- UL 96A Lightning Protection Master Label Compliant

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

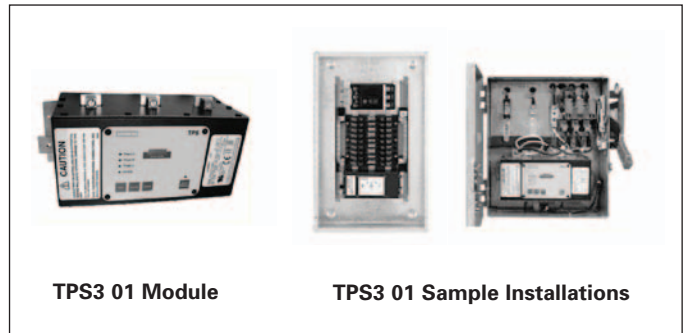
Siemens TPS3 01 and L1 surge protective devices are designed for integration within our P1, P2, and P3 power distribution panelboards, as well as motor control centers and busway systems.

Surge Current Capacity:

100 kA to 300 kA

See the following sections for ordering details:

Panelboards	11
Busway	15
Motor Control Centers	16



TPS3 01 Module

TPS3 01 Sample Installations

TPS3 05 and TPS3 L5 ("True" or "Discrete" 10-Mode)

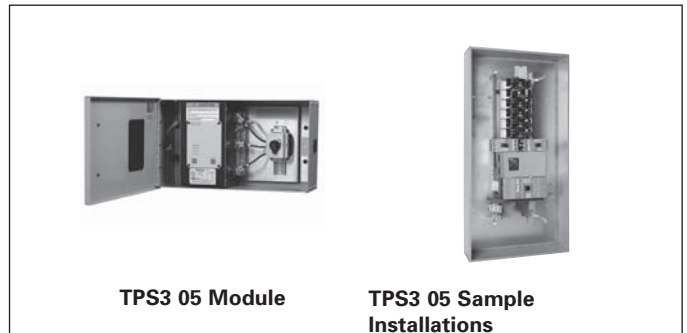
Siemens TPS3 05 and L5 surge protective devices are designed for integration within our P4 and P5 panelboards as well as distribution switchboards.

Surge Current Capacity:

100 kA to 300 kA

See the following sections for ordering details:

Panelboards	11
Switchboards	13



TPS3 05 Module

TPS3 05 Sample Installations

TPS3 06 and TPS3 L6 ("True" or "Discrete" 10-Mode)

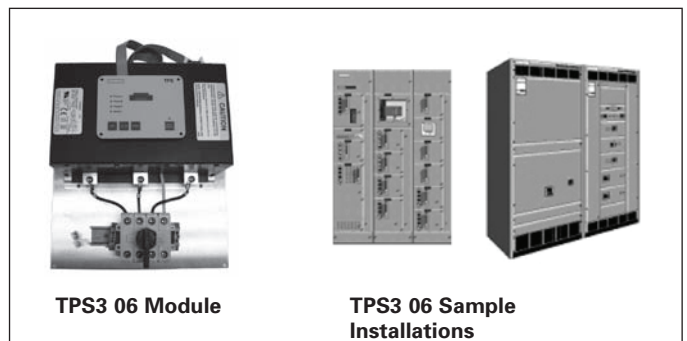
Siemens TPS3 06 and L6 surge protective devices are designed for integration within our SB1, SB2, SB3, Type RCS Switchboards, Low Voltage Switchgear, Motor Control Centers, and Busway Systems.

Surge Current Capacity:

100 kA to 500 kA

See the following sections for ordering details:

Switchboards	13
Switchgear	14
Busway	15
Motor Control Centers	16



TPS3 06 Module

TPS3 06 Sample Installations

Note: Wall mounted TPS3 12, TPS3 L12, TPS3 15, and TPS3 L15 can be configured for integral applications where Type 1 applications are required and for surge current capacity up to 1000 kA.

SPD - Surge Protective Devices

TPS3 External or Wall Mounted SPDs

Selection

TPS3 03

TPS3 03 is a UL 1449 3rd Edition 50 kA Type 1 compact surge protective device that can be used as a replacement secondary surge or lightning arrestors. Having a Type 1 designation allows for flexible electrical system connection location (line or load side) as well as UL 96A compliance (@ 20 kA I_{n1}).

TPS3 03 Key Features

- UL 1449 3rd Edition Listed
- Type 1 Rated SPD
- 50 kA Per Phase Surge Current
- 20 kA I_{n1} (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored
- Mounting – chase nipple, bracket, or DIN RAIL
- Standard compact NEMA 4X polycarbonate enclosure
- Modes of Protection: L-N or L-G and L-L
- Standard Monitoring: LED Indicator
- Dimensions: 3.25" x 3.25" x 3.3" (82.6 mm x 82.6 mm x 83.8 mm)
- Weight: 2 lb. (0.9 kg)
- 2 Year Product Warranty

Available Options:

- Dry contacts & Audible Alarm (option "D")



Ordering Information

Catalog # TPS3 03

Voltage Code	Surge Current (kA)	Options
A = 120/240 V, 1Ø, 3W	05 = 50 kA per phase	D = Dry contact & audible alarm
B = 120/240 V, 3Ø, 4W		
C = 120/208 V, 3Ø, 4W		
D = 240 V, 3Ø, 3W		
E = 277/480 V, 3Ø, 4W		
F = 480 V, 3Ø, 3W		
G = 600 V, 3Ø, 3W		
K = 380/220 V, 3Ø, 4W		
L = 600/347 V, 3Ø, 4W		

Example - TPS3C0305D = Type 1 SPD for a 208/120 V application with a surge current capacity of 50 kA per phase, in a standard NEMA 4X enclosure with dry contacts and audible alarm option.

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

Available Accessories: Ordered Separately
RMSIE - Remote monitor

TPS3 09

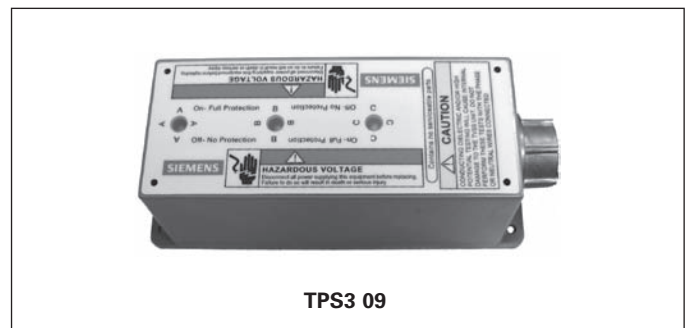
TPS3 09 is a UL 1449 3rd Edition 100 kA Type 1 compact multi-mode surge protective device that can be installed on either the line or load side of the electrical service. When installed at the electrical service entrance, it can be used for UL 96A compliance (@ 20 kA I_{n1}).

TPS3 09 Key Features

- UL 1449 3rd Edition Listed
- Type 1 Rated SPD
- 100 kA Per Phase Surge Current
- 20 kA I_{n1} (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored, including N-G
- Mounting: chase nipple or wall mounted
- Standard compact NEMA 4X polycarbonate enclosure
- Modes of Protection: L-N, L-G, N-G, and L-L
- Standard Monitoring: LED Indicators
- Dimensions: 8" x 3" x 3" (203 mm x 76 mm x 76 mm)
- Weight: 3 lb. (1.4 kg)
- 10 Year Product Warranty

Available Options:

- Dry contacts & Audible Alarm (option "D")
- Extended indicator light (option "E")
- Internal mounting in P1, P2 Panels (option "I"), requires TPS9IKITP1 or TPS9IKITP2 mounting bracket accessory.



Ordering Information

Catalog # TPS3 09

Voltage Code	Surge Current (kA)	Options
A = 120/240 V, 1Ø, 3W	10 = 100 kA per phase	E = Extended indicator light
B = 120/240 V, 3Ø, 4W		I = Internal mounting in P1, P2 panels
C = 120/208 V, 3Ø, 4W		D = Dry Contact & audible alarm
D = 240 V, 3Ø, 3W		
E = 277/480 V, 3Ø, 4W		
F = 480 V, 3Ø, 3W		
G = 600 V, 3Ø, 3W		
K = 380/220 V, 3Ø, 4W		
L = 600/347 V, 3Ø, 4W		
S = 400/230 V, 3Ø, 4W		

Example: TPS3C0910D00 = SPD for a 208/120 V panel-board 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.

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

Available Accessories: Ordered Separately
- RMSIE = Remote monitor
- FMKITC = Flush mount plate
- TPS9IKITP1 = Mounting bracket for installation in P1 panels
- TPS9IKITP2 = Mounting bracket for installation in P2 panels

10 SPD

SPD - Surge Protective Devices

TPS3 External or Wall Mounted SPDs

Selection

TPS3 11

TPS3 11 is a UL 1449 3rd Edition Listed multi-mode Type 1 surge protective device with a per phase surge current capacity that can be increased to 200 kA. In addition, this unit provides UL 1283 listed EMI/RFI or Sine Wave tracking filtering that will condition low energy L-N coupled noise. When installed at the electrical service entrance, it can be used for UL 96A compliance (@ 20 kA I_n).

Standard monitoring includes protection status indication LEDs. Complete protection is intact when the status indicators are illuminated. When protection is lost, the status indicator will extinguish and the red service light will illuminate. An audible alarm and dry contacts are available monitoring options.

A new diagnostic feature integrated within the TPS3 11 is Ground Integrity Monitoring or (GIM) diagnostic indication circuit. Ground Integrity Monitoring or (GIM) diagnostics monitors the health of the electrical system's neutral to ground bond. If voltage is seen across neutral and ground, the phase indicators will remain illuminated, while the red service light begins to flash alerting the end user that the electrical system grounding needs to be checked and serviced. This feature can be remotely monitored when the optional dry contacts are included. Siemens TPS3s are one of the first in the industry to offer this power quality safety and performance indication.

TPS3 11 Key Features

- UL 1449 3rd Edition and UL 1283 Listed
- Type 1 Rated SPD
- 100, 150, 200 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)
- Every MOV is monitored, including N-G
- Mounting – chase nipple or wall mounted
- Standard NEMA 4X polycarbonate enclosure (UL 746C (f1), UL 94-5VA)
- Modes of Protection: L-N, L-G, N-G, and L-L
- Standard Monitoring: LED Indicators and Ground Integrity Monitoring diagnostics
- Wire size: #8 AWG to #10 AWG
- Dimensions: 6" x 6" x 4" (152 mm x 152 mm x 102 mm)
- Weight: 5 lb. (2.27 kg)
- 10 Year Product Warranty

Available Options:

- Dry contacts & Audible Alarm (option "D")



TPS3 11

Ordering Information

Catalog # TPS3 11

Voltage Code	Surge Current (kA)	Options
A = 120/240 V, 1Ø, 3W	10 = 100 kA per phase	D = Dry Contacts & audible alarm
B = 120/240 V, 3Ø, 4W	15 = 150 kA per phase	
C = 120/208 V, 3Ø, 4W	20 = 500 kA per phase	
D = 240 V, 3Ø, 3W		
E = 277/480 V, 3Ø, 4W		
F = 480 V, 3Ø, 3W		
G = 600 V, 3Ø, 3W ^①		
K = 380/220 V, 3Ø, 4W		
L = 600/347 V, 3Ø, 4W		
S = 400/230 V, 3Ø, 4W		

Example: TPS3C1110D = Type 1 SPD for a 208/120 V application with a surge current capacity of 100 kA per phase, in a standard NEMA 4X enclosure with dry contacts and audible alarm option.

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

Available Accessories: Ordered Separately

- RMSIE = Remote monitor
- FMKITC = Flush mount plate

① Available in 100 kA per phase only

SPD - Surge Protective Devices

TPS3 External or Wall Mounted SPDs

Selection

TPS3 12 and TPS3 L12 (True or Discrete 10-Mode)

TPS3 12 and TPS3 L12 are UL 1449 3rd Edition Listed replaceable module, multimode Type 1 surge protective device with a per phase surge current capacity that can be increased to 500 kA (TPS3 L12 up to 450 kA). For mission critical or high profile applications, the TPS3 L12 is our "True" or "Discrete" 10-mode style SPD providing the "Just in Case" assurance of directly connected L-L MOVs.

Both TPS3 12 and TPS3 L12 are UL 1283 Listed incorporating EMI/RFI or Sine Wave tracking filtering designed to condition low energy L-N coupled noise. When installed at the electrical service entrance, it can be used for UL 96A compliance (@ 20 kA In).

Standard monitoring includes protection status indication LEDs, audible alarm, and dry contacts. Complete protection is intact when the status indicators are illuminated. When protection is lost, the status indicator will extinguish, the red service light will illuminate, and the dry contacts will change state. An optional surge counter is available.

A new diagnostic feature integrated within the TPS3 12 and TPS3 L12 is Ground Integrity Monitoring or (GIM) diagnostic indication circuit. Ground Integrity Monitoring or (GIM) diagnostics monitors the health of the electrical system's neutral to ground bond. If voltage is seen across neutral and ground, the phase indicators will remain illuminated, while the red service light begins to flash alerting the end user that the electrical system grounding needs to be checked and serviced. This feature can be remotely monitored via the dry contact outputs. Siemens TPS3s are one of the first in the industry to offer this power quality safety and performance indication.

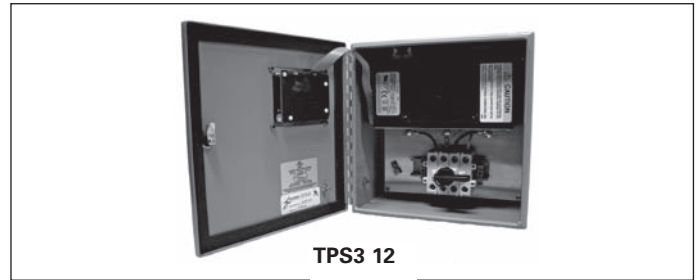
TPS3 12 and TPS3 L12 Key Features

- UL 1449 3rd Edition and UL 1283 Listed
- Type 1 Rated SPD
- TPS3 12: 100 – 500 kA Per Phase Surge Current
- TPS3 L12: 150, 300, 450 kA Phase Surge Current
- 20 kA I_n (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored, including N-G
- Mounting – chase nipple or wall mounted
- Standard NEMA 1/12/3R/04 ANSI 61 steel enclosure
- TPS3 12 Modes of Protection – L-N, L-G, N-G, and L-L
- TPS3 L12 Modes of Protection – L-N, L-G, N-G, and L-L (directly connected L-L elements)
- Standard Monitoring:
 - LED Indicators
 - Ground Integrity Monitoring diagnostics
 - Dry Contacts
 - Audible alarm with silence switch and test button
- Wire size: #8 AWG to 1/0
- Dimensions: 12" x 12" x 7" (305 mm x 305 mm x 178 mm)*
- Weight: 20 lb. (9.07 kg) *
- 10 Year Product Warranty

*Other NEMA ratings may increase enclosure size and weight

Available Options:

- Internal rotary disconnect
- Thru-door disconnect
- Surge counter



TPS3 12

Ordering Information

Catalog # TPS3 12

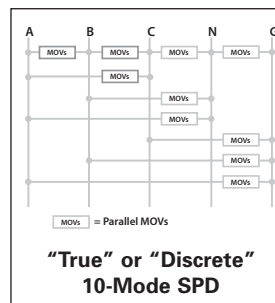
Voltage Code	Surge Current (kA)	Enclosure	Options
A = 120/240 V, 1Ø, 3W	10 = 100 kA per phase	0 = Standard NEMA 1/12/3R/4 Steel	D = Internal rotary disconnect
B = 120/240 V, 3Ø, 4W	15 = 150 kA per phase	V = NEMA 4X non-metallic	T = Thru-door disconnect
C = 120/208 V, 3Ø, 4W	20 = 200 kA per phase	S = NEMA 4X stainless steel	X = Surge Counter
D = 240 V, 3Ø, 3W ^①	25 = 250 kA per phase	F = NEMA 1 flush mount	
E = 277/480 V, 3Ø, 4W	30 = 300 kA per phase	P = NEMA 1 screwcover pullbox with extended display on 6ft cable for line side mounting in SWBD/SWGR	
F = 480 V, 3Ø, 3W ^②	40 = 400 kA per phase		
G = 600 V, 3Ø, 3W ^②	50 = 500 kA per phase		
K = 380/220 V, 3Ø, 4W			
L = 600/347 V, 3Ø, 4W			
S = 400/230 V, 3Ø, 4W			

Example: TPS3C12100XD = Type 1 SPD for a 208/120 V application with a surge current capacity of 100 kA per phase, in a standard NEMA 1/12/3R/4 enclosure with a surge counter and internal rotary disconnect option.

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

Available Accessories: Ordered Separately

- RMSIE = Remote monitor
- ① Not available in 500 kA
- ② Available in 100 kA, 150 kA, 200 kA & 250 kA only



TPS3 L12

Ordering Information

Catalog # TPS3 L12

Voltage Code	Surge Current (kA)	Enclosure	Options
A = 120/240 V, 1Ø, 3W	15 = 150 kA per phase	0 = Standard NEMA 1/12/3R/4 Steel	D = Internal rotary disconnect
B = 120/240 V, 3Ø, 4W	30 = 300 kA per phase	V = NEMA 4X non-metallic	T = Thru-door disconnect
C = 120/208 V, 3Ø, 4W	45 = 450 kA per phase	S = NEMA 4X stainless steel	X = Surge Counter
E = 277/480 V, 3Ø, 4W		F = NEMA 1 flush mount	
K = 380/220 V, 3Ø, 4W		P = NEMA 1 screwcover pullbox with extended display on 6ft cable for line side mounting in SWBD/SWGR	
S = 400/230 V, 3Ø, 4W			

Example: TPS3C12100XD = Type 1 SPD for a 208/120 V application with a surge current capacity of 100 kA per phase, in a standard NEMA 1/12/3R/4 enclosure with a surge counter and internal rotary disconnect option.

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

Available Accessory: Ordered Separately

- RMSIE = Remote monitor

10 SPD

SPD - Surge Protective Devices

TPS3 External or Wall Mounted SPDs

Selection

TPS3 15 and TPS3 L15 (True or Discrete 10-Mode)

TPS3 15 and TPS3 L15 are UL 1449 3rd Edition Listed replaceable dual module, multimode Type 1 surge protective device with a per phase surge current capacity that can be increased to 1000 kA (TPS3 L15 up to 900 kA). For mission critical or high profile applications, the TPS3 L15 is our "True" or "Discrete" 10-mode style SPD providing the "Just in Case" assurance of directly connected L-L MOVs.

Both TPS3 15 and TPS3 L15 are UL 1283 Listed incorporating EMI/RFI or Sine Wave tracking filtering designed to condition low energy L-N coupled noise. When installed at the electrical service entrance, it can be used for UL 96A compliance (@ 20 kA I_n).

Standard monitoring includes protection status indication LEDs, audible alarm, and dry contacts. Complete protection is intact when the status indicators are illuminated. When protection is lost, the status indicator will extinguish, the red service light will illuminate, and the dry contacts will change state. An optional surge counter is available.

A new diagnostic feature integrated within the TPS3 15 and TPS3 L15 is Ground Integrity Monitoring or (GIM) diagnostic indication circuit. Ground Integrity Monitoring or (GIM) diagnostics monitors the health of the electrical system's neutral to ground bond. If voltage is seen across neutral and ground, the phase indicators will remain illuminated, while the red service light begins to flash alerting the end user that the electrical system grounding needs to be checked and serviced. This feature can be remotely monitored via the dry contact outputs. Siemens TPS3s are one of the first in the industry to offer this power quality safety and performance indication.

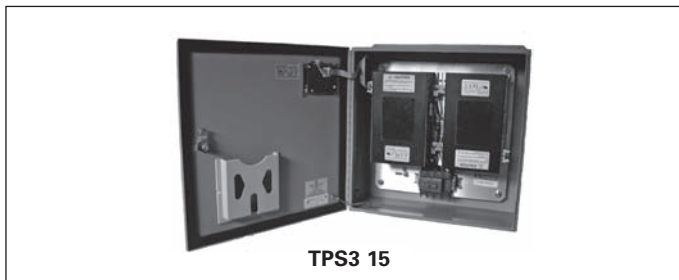
TPS3 15 and TPS3 L15 Key Features

- UL 1449 3rd Edition and UL 1283 Listed
- Type 1 Rated SPD
- TPS3 15: 400 – 1000 kA Per Phase Surge Current
- TPS3 L15: 600 and 900 kA Phase Surge Current
- 20 kA I_n (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored, including N-G
- Mounting – chase nipple or wall mounted
- Standard NEMA 1/12/3R/04 ANSI 61 steel enclosure
- TPS3 15 Modes of Protection – L-N, L-G, N-G, and L-L
- TPS3 L15 Modes of Protection – L-N, L-G, N-G, and L-L (directly connected L-L elements)
- Internal rotary disconnect switch included
- Standard Monitoring:
 - LED Indicators
 - Ground Integrity Monitoring diagnostics
 - Dry Contacts
 - Audible alarm with silence switch and test button
- Wire size: #8 AWG to 1/0
- Dimensions: 20" x 20" x 7" (508 mm x 508 mm x 178 mm)
- Weight: 64 lb. (29 kg) *
- 10 Year Product Warranty

*Other NEMA ratings may increase enclosure size and weight.

Available Options:

- Thru-door disconnect
- Surge counter



TPS3 15

Ordering Information

Catalog # TPS3 15

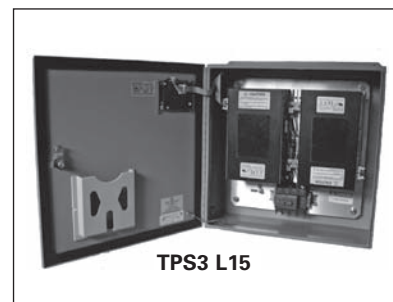
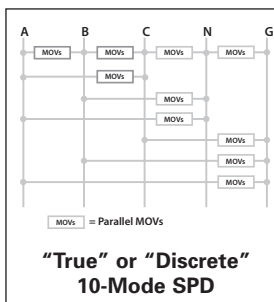
Voltage Code	Surge Current (kA)	Enclosure	Options
A = 120/240 V, 1Ø, 3W	40 = 400 kA per phase ^①	0 = Standard NEMA	T = Thru-door disconnect
B = 120/240 V, 3Ø, 4W	50 = 500 kA per phase ^①	1/12/3R/4 Steel	X = Surge Counter
C = 120/208 V, 3Ø, 4W	60 = 600 kA per phase	V = NEMA 4X non-metallic	
D = 240 V, 3Ø, 3W ^②	80 = 800 kA per phase	S = NEMA 4X stainless steel	
E = 277/480 V, 3Ø, 4W	1K = 1000 kA per phase	F = NEMA 1 flush mount	
F = 480 V, 3Ø, 3W ^②		P = NEMA 1 screwcover pullbox with extended display on 5ft cable for line side mounting in SWBD/SWGR	
G = 600 V, 3Ø, 3W ^③			
K = 380/220 V, 3Ø, 4W			
L = 600/347 V, 3Ø, 4W			
S = 400/230 V, 3Ø, 4W			

Example: TPS3C1560SX0 = Type 1 SPD for a 208/120V application with a surge current capacity of 600 kA per phase, in a NEMA 4X stainless steel enclosure with a surge counter option and standard disconnect switch.

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

Available Accessories: Ordered Separately

- RMSIE = Remote monitor
- ① Available in G voltage code only
- ② Available in 600 kA & 800 kA only
- ③ Available in 400 kA & 500 kA only



TPS3 L15

Ordering Information

Catalog # TPS3 L15

Voltage Code	Surge Current (kA)	Enclosure	Options
A = 120/240 V, 1Ø, 3W	60 = 600 kA per phase	0 = Standard NEMA	T = Thru-door disconnect
B = 120/240 V, 3Ø, 4W	90 = 900 kA per phase	1/12/3R/4 Steel	X = Surge Counter
C = 120/208 V, 3Ø, 4W		V = NEMA 4X non-metallic	
E = 277/480 V, 3Ø, 4W		S = NEMA 4X stainless steel	
K = 380/220 V, 3Ø, 4W		F = NEMA 1 flush mount	
S = 400/230 V, 3Ø, 4W		P = NEMA 1 screwcover pullbox with extended display on 5ft cable for line side mounting in SWBD/SWGR	

Example: TPS3CL15600X0 = 10 Mode, Type 1 SPD for a 208/120V application with a surge current capacity of 600 kA per phase, in a standard NEMA 1/12/3R/4 enclosure with a surge counter option.

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

Available Accessory: Ordered Separately

- RMSIE = Remote monitor