

Surge Protective Devices (SPDs)

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LEVITON
Surge Protective Device
CAT. NO. 32120-DY3
UL 1449 VPR RATING:
700Vpk L-N
700Vpk N-G
1000Vpk L-L
1200Vpk L-G

LINE 1 LINE 2 LINE 3
PROTECTION STATUS
GREEN LIGHT OUT / FLASHING RED LIGHT
AUDIBLE BEEP = CIRCUIT DAMAGE,
REPLACE IMMEDIATELY
FAULT

Surge Protective Devices (SPDs)

What is UL 1449?

Underwriters Laboratories' safety and performance standard for surge protection equipment is composed of three main features.

1. Secondary Surge Arresters:

These are typically mounted outdoors and prior to service entrance equipment. This ensures that line side devices will be manufactured with safety related protection similar to load side devices.

2. Nominal Discharge Current Rating (IN):

This allows users to compare a surge protective device's durability.

3. Voltage Protection Rating (VPR):

This test is performed at 3000 Amps as opposed to 500 Amps in order to show improved performance to obtain recommended VPR levels of surge protection.



Type 1 SPDs



Type 2 SPDs



Type 3 SPDs



Type 4 SPDs

Understanding the Terminology

The requirements for SPDs are identified by Type 1, 2, 3, 4 or 5 depending upon where the SPD will be incorporated within the power distribution system.

Type 1 SPDs: Typically mounted on the line side of the main service entrance. Protects against external surges caused by lightning or utility capacitor bank switching. Type 1 devices can automatically be used in Type 2 applications, so that is why we often refer to them as Type 1/Type 2.

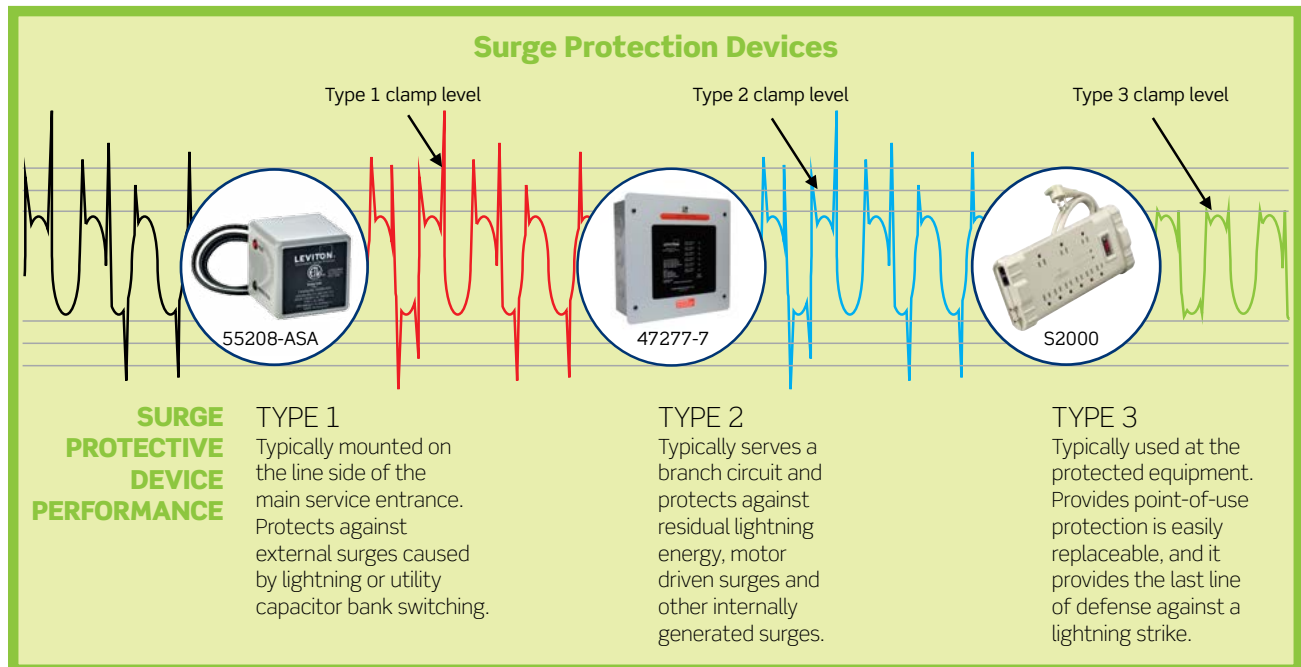
Type 2 SPDs: Generally serves a branch circuit and protects against residual lightning energy, motor driven surges and other internally generated surges.

Type 3 SPDs: Often used at the protected equipment. Provides point-of-use protection, easily replaceable and it provides the last line of defense against a lightning strike.

Type 4 SPDs: Component assemblies consisting of one or more Type 5 components together with a disconnect (integral or external) or a means of complying with the limited current tests in UL 1449.

Surge Protection Network Implementation

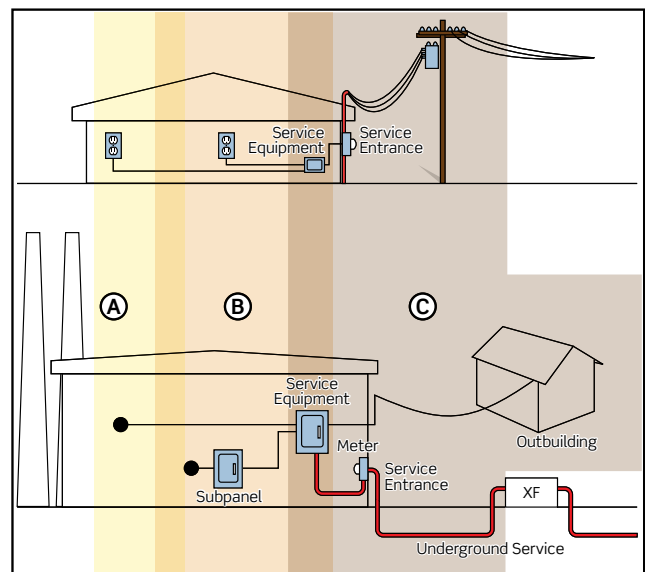
In order to achieve optimum protection for your equipment, it is essential to utilize a distributed surge suppression strategy. Installing surge protective devices (SPDs) will knock down high-energy transients at the building entrance and/or sub-panel so that the surge is manageable for the smaller SPDs that protect point-of-use equipment. Leviton offers a comprehensive selection of devices to implement the most effective surge protection network.



Standardization

The SPD Types (Type 1, 2, 3, 4) are the UL, NEC and IEEE attempt to harmonize with the IEC 61643-1 standard that uses Class 1, 2 and 3 designators. The sole reason that UL did not use Class 1, 2 and 3 is that North, Central and South America lean towards the IEEE documents, which use an 8 x 20 μ s surge waveform instead of the 10x350 μ s surge waveform, as it more accurately reflects the conditions experienced during a lightning strike. Since the test is different, the name had to be different. The drawing to the right identifies category A, B and C as defined in the IEEE Trilogy of Standards. Category C ranges from the transformer secondary to just inside the building entrance. Category B includes all of the branch or sub-panels and Category A includes the receptacles and point-of-use devices such as cord-connected or plug-in surge devices.

Note: There is purposeful overlap between the categories as it is not a demarcation line but a transition. The figure to the right is from IEEE C62.41.2, which is the Recommended Practice on Characterization of Surges in Low-Voltage (1000V and Less) AC Power Circuits.



Type 1/Type 2 Surge Protective Devices

55000 Series | 51120-3R



Type 1/Type 2 Surge Protective Devices

55000 Series, 51120-3R and Type 1/Type 2 Surge Protective Devices

Typically mounted on the line side of the main service entrance. Protects against external surges caused by lightning or utility capacitor bank switching. Type 1 devices can automatically be used in Type 2 applications, so that is why we often refer to them as Type 1/Type 2.

Features and Benefits

55000 Series Modules

- NEMA Type 3R enclosure for indoor or outdoor use
- Indicator lights showing protection status
- Provided with #10 AWG stranded, 18 in. long pigtail leads
- Limited 5-year warranty
- Connected equipment coverage up to \$10,000*

51120-3R Panel

- Standard J-Box enclosure with pre-punched standard knock-outs can be easily surface mounted in typical frame construction
- Indicator lights showing protection status
- Provided with #12 AWG stranded, 28 in. long cord
- May also be used in Type 2 applications
- Connected equipment coverage up to \$25,000*

51110 Panel Mount

- Indicator lights showing protection status
- UL1449 Edition rated
- Compatible with home automation systems
- 150 maximum continuous operating voltage (MOV) rating allows for tolerance to line voltage swells
- Limited 5-year warranty
- Connected equipment coverage up to \$25,000*

*Certain restrictions apply

55000 Series Type 1 Surge Protective Devices

Type 1 Secondary Surge Arresters

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
55240-ASA	Module	120/240V Single Phase	50kA (100kA)
55208-ASA	Module	120/208V 3Ø WYE, 240V 3Ø Delta	50kA (100kA)
55480-ASA	Module	277/480V 3Ø WYE, 480V 3Ø Delta	50kA (100kA)



55208-ASA

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



51120-3R and Type 2 Surge Protective Devices

Type 2 Secondary Surge Arresters

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
51120-3R	Panel Mount	120/240V Single Phase	50kA (100kA)
51110-SRG	Panel Mount	120/240V Single Phase	48kA (96kA)



51120-3R



51110-SRG

Specifications for 55000 Series, 51120-3R and Type 1/Type 2 SPDs

Cat. No.	55240-ASA	55208-ASA	55480-ASA	51120-3R	51110-SRG
Electrical Specifications					
Voltage	120/240V Single phase	120/208V 3Ø WYE, 240V 3Ø Delta	277/480V 3Ø WYE, 480V 3Ø Delta	120/240V Single phase	120/240V Single phase
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology	TPMOV	TPMOV	TPMOV	TPMOV	MOV
Amperage	—	—	—	—	—
Recommended Circuit Breaker Rating	—	—	—	—	20A, 120/240V
Performance Data					
Maximum Continuous Operating Voltage (MCOV)	150V	150V	320V	150V (L-N)/300V(L-L)	150V
Nominal Discharge Current (I _n)	20kA	20kA	20kA	20kA	
Maximum Surge Current, per Mode (per Phase)	50kA (100kA)	50kA (100kA)	50kA (100kA)	50kA (100kA)	48kA (96kA)
Voltage Protection Rating (VPR) Clamping	600V(L-N) 800V(L-L)	600V(L-N) 800V(L-L)	800V(L-N) 700V(L-L)	500V(L-N) 800V(L-L)	400V(L-N, L-G, N-G) 600V(L-N, L-G, N-G)
Warranty					
Product Warranty	Limited 5-year warranty				
Connected Equipment Coverage	Up to \$10,000*	Up to \$10,000*	Up to \$10,000*	Up to \$25,000*	Up to \$25,000*

*As part of the True Whole House Surge Protection Warranty.

**200 Amp only when using Murray Cat. No. RH173CRF meter socket; otherwise 175 Amp

Type 2 Surge Protective Devices

Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel.

52277-7CS, 51110-SRG and 42120



Quick Reference — Type 2 Surge Panels

Type 2 Surge Protective Devices						
V/Phase Cat. No.	Max Surge Current Per Mode (Per Phase)	Nominal Discharge Current (I_n)	Replaceable Modules	NEMA Enclosure	Surge Counter	Noise Filtering
120V and 120/240V, Single-Phase						
52120-M1	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-M2	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-CM2	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52120-M2H	100kA (200kA)	20kA	Yes	Type 12	No	Yes
32120-1	80kA (160kA)	3kA	No	Type 3R	No	Yes
42120-1	80kA (160kA)	3kA	No	Type 3R	No	Yes
51120-1	50kA (100kA)	3kA	No	Type 1	No	Yes
51110-SRG	48kA (96kA)	3kA	No	Type 4X	No	No

N/A: Not applicable as these units do not have line-to-ground (L-G) surge protection

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Type 2 Surge Protective Devices

V/Phase Cat. No.	Max Surge Current Per Mode (Per Phase)	Nominal Discharge Current (I_N)	Replaceable Modules	NEMA Enclosure	Surge Counter	Noise Filtering
120/208V, Three-Phase WYE						
47120-7	200kA (400kA)	10kA	No	Type 1	No	Yes
47120-4X7	200kA (400kA)	10kA	No	Type 4X	No	Yes
57120-M3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
57120-CM3	150kA (150kA)	20kA	Yes	Type 12	Yes	Yes
52120-7MS	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-7CS	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52120-7M3	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-7C3	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52120-M3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
52120-CM3	100kA (100kA)	20kA	Yes	Type 12	Yes	Yes
37120-7	100kA (200kA)	5kA	No	Type 1	No	Yes
51120-3	50kA (50kA)	3kA	No	Type 1	No	Yes
120/208V, Three-Phase WYE or 208V, Three-Phase Delta or 220V, Three-Phase Delta						
32120-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42120-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
120/240/120V, Three-Phase Hi-leg Split Phase Delta						
52412-DS3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
32412-DS3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42412-DS3	80kA (80kA)	3kA	No	Type 3R	No	Yes
220/380V, Three-Phase WYE or 277/480V, Three-Phase WYE or 240V, Three-Phase Delta or 480V, Three-Phase Delta						
32277-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42277-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
240V, Three-Phase Delta						
57240-DM3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
52240-DM3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
277/480V, Three-Phase WYE						
47277-7	200kA (400kA)	10kA	No	Type 1	No	Yes
47277-4X7	200kA (400kA)	10kA	No	Type 4X	No	Yes
57277-M3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
57277-CM3	150kA (150kA)	20kA	Yes	Type 12	Yes	Yes
52277-7MS	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52277-7CS	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52277-7M3	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52277-7C3	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52277-M3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
52277-CM3	100kA (100kA)	20kA	Yes	Type 12	Yes	Yes
37277-7	100kA (200kA)	5kA	No	Type 1	No	Yes
480V, Three-Phase Delta						
57480-DM3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
52480-DM3	100kA (100kA)	20kA	Yes	Type 12	No	Yes

N/A: Not applicable as these units do not have line-to-ground (L-G) surge protection

Type 2 Surge Protective Devices

52000/57000 Series



G

Surge Protective Devices (SPDs)

52000/57000 Series Type 2 Surge Panels

Leviton's 52000 and 57000 Series panel mounted surge protective devices provide a good mix of value, performance and features for main service or branch panel applications in industrial, commercial and residential environments.

The parallel-operated design ensures continuous power even if surge protection is disabled. They feature indicator lights, a status relay and audible alarm for monitoring power and surge suppression, and replaceable surge modules for simplified maintenance after a destructive surge event.

Features and Benefits

52000 and 57000 Series Service/Branch Panel Protection

- Service/branch panel protection for commercial, industrial and residential applications
- Parallel-operated design ensures continuous power even if surge protection is disabled
- Protection for up to 100,000A (52000 Series) or 150,000A (57000 Series) of surge current per mode
- Loss of phase detection status
- AC Sine Wave tracking provides enhanced EMI/RFI filtering
- NEMA Type 12 enclosure resists dirt, dust and light splashing water
- Models available with Surge Counter or Integral Disconnect Switch
- Limited 5-year warranty with free replacement modules*

*Certain restrictions apply



5277-CM3



52120-M2

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52000/57000 Series Type 2 Surge Panels					
Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current per Mode (per phase)	Replacement Modules	
52120-M1	2-Mode Surge Protection Panel	120 Single-phase, 2-wire + gnd	100kA (200kA)	(1) 2120, (1) 8120-GN	
52120-M2	3-Mode Surge Protection Panel	120/240 Single-phase, 3-wire + gnd	100kA (200kA)	(2) 2120, (1) 8120-GN	
52120-CM2	3-Mode Surge Protection Panel, with Surge Event Counter	120/240 Single-phase, 3-wire + gnd	100kA (200kA)	(2) 2120, (1) 8120-GN	
52120-M2H	3-Mode Surge Protection Panel, DHC & X10® compatible	120/240 Single-phase, 3-wire + gnd	100kA (200kA)	(2) 2120-M2H, (1) 8120-GN	
52120-M3	4-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 2120, (1) 8120-GN	
52120-CM3	4-Mode Surge Protection Panel, with Surge Event Counter	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 2120, (1) 8120-GN	
52120-7CS	7-Mode Surge Protection Panel with Surge Event Counter and Integral Disconnect Switch	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 120-7M3 (1) 8120-GN	
52120-7MS	7-Mode Surge Protection Panel with Integral Disconnect Switch	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 120-7M3 (1) 8120-GN	
52120-7M3	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 120-7M3, (1) 8120-GN	
52120-7C3	7-Mode Surge Protection Panel, with Surge Event Counter	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 120-7M3, (1) 8120-GN	
52240-DM3	3-Mode Surge Protection Panel	240 3Ø Delta, 3-wire + gnd	100kA (200kA)	(3) 2240	
52277-M3	4-Mode Surge Protection Panel	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 2277, (1) 8320-GN	
52277-CM3	4-Mode Surge Protection Panel, with Surge Event Counter	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 2277, (1) 8320-GN	
52277-7CS	7-Mode Surge Protection Panel with Surge Event Counter and Integral Disconnect Switch	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 277-7M3 (1) 8320-GN	
52277-7MS	7-Mode Surge Protection Panel with Integral Disconnect Switch	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 277-7M3 (1) 8320-GN	
52277-7M3	7-Mode Surge Protection Panel	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 277-7M3, (1) 8320-GN	
52277-7C3	7-Mode Surge Protection Panel, with Surge Event Counter	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)	(3) 277-7M3, (1) 8320-GN	
52480-DM3	3-Mode Surge Protection Panel	480 3Ø Delta, 3-wire + gnd	100kA (200kA)	(3) 2480	
52412-DS3	4-Mode Surge Protection Panel	120/240/120 Split Phase Delta, 4-wire + gnd	100kA (200kA)	(2) 2120, (1) 2412, (1) 8120-GN	
57120-M3	4-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	150kA (300kA)	(3) 7120, (1) 8120-GN	
57120-CM3	4-Mode Surge Protection Panel, with Surge Event Counter	120/208 3Ø WYE, 4-wire + gnd	150kA (300kA)	(3) 7120, (1) 8120-GN	
57240-DM3	3-Mode Surge Protection Panel	240 3Ø Delta, 3-wire + gnd	150kA (300kA)	(3) 7240	
57277-M3	4-Mode Surge Protection Panel	277/480 3Ø WYE, 4-wire + gnd	150kA (300kA)	(3) 7277, (1) 8320-GN	
57277-CM3	4-Mode Surge Protection Panel, with Surge Event Counter	277/480 3Ø WYE, 4-wire + gnd	150kA (300kA)	(3) 7277, (1) 8320-GN	
57480-DM3	3-Mode Surge Protection Panel	480 3Ø Delta, 3-wire + gnd	150kA (300kA)	(3) 7480	

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Type 2 Surge Protective Devices

52000/57000 Series



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Specifications for 57000 Series Type 2 Surge Panels

Cat. No.		57120-M3 57120-CM3	57240-DM3	57277-M3 57277-CM3	57480-DM3	57347-M3	57600-DM3
Electrical Specifications							
Voltage		120/208VAC 3-phase WYE	240VAC 3-phase WYE	277/480VAC 3-phase WYE	480VAC 3-phase WYE	347/600VAC 3-phase WYE	600VAC 3-phase Delta
Frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology		40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV
Recommended Circuit Breaker Rating		30A, 120V	30A, 240V	30A, 277V	30A, 480V	30A, 600V	30A, 600V
Performance Data							
Nominal Discharge Current Rating (I _n)		20kA	20kA	20kA	20kA	N/A	N/A
Maximum Continuous Operating Voltage (MCOV)	L-N	150V	—	320V	—	390V	385V
	L-G	300V	—	640V	—	—	—
	N-G	150V	—	320V	—	—	—
	L-L	300V	320V	640V	640V	680V	680V
Voltage Protection Rating (VPR)	L-N	1000V	—	1500V	—	1500V*	1000V*
	L-G	1500V	—	2500V	—	—	—
	N-G	800V	—	1200V	—	1000V*	1000V*
	L-L	1500V	1500V	2500V	2000V	2000V*	2000V*
Maximum Surge Current, per Mode (per Phase)		150kA (150kA)	150kA (150kA)	150kA (150kA)	150kA (150kA)	150kA (150kA)	150kA (150kA)
Protection Mode		4 mode	3 mode	4 mode	3 mode	4 mode	4 mode
Short Circuit Current Rating (SCCR)		100kA	100kA	100kA	100kA	100kA	100kA
EMI/RFI Noise Rejection		-20 to -40dB (@ 1.5K-1.2MHz)					
Warranty							
Product Warranty		Limited 5-year warranty					
Replacement Module Warranty		Limited 5-year warranty					

*Surge Voltage Rating (SVR).

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



Specifications for 52000 Series Type 2 Surge Panels

Cat. No.		52120-M1	52120-M2 52120-CM2	52120-M2H	52120-M3 52120-CM3	52120-7M3 52120-7C3 52120-7CS 52120-7MS	52240-DM3	52277-M3 52277-CM3	52277-7M3 52277-7C3 52277-7CS 52277-7MS	52480-DM3	52412-DS3
Electrical Specifications											
Voltage		120VAC	120/240VAC	120/240VAC	120/208VAC 3-phase WYE	120/208VAC 3-phase WYE	240VAC 3-phase Delta	277/480VAC 3-phase WYE	277/480VAC 3-phase WYE	480VAC 3-phase Delta	120/240/ 120VAC 3-phase Hi-Leg Delta
Frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology		40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV
Recommended Circuit Breaker Rating		30A, 120V	30A, 120/240V	30A, 120/240V	30A, 120/208V	30A, 120/208V	30A, 240V	30A, 277V/480V	30A, 277/480V	30A, 480V	30A, 120/240V
Performance Data											
Maximum Continuous Operating Voltage (MCOV)	L-N	150V	150V	150V	150V	150V	—	320V	320V	—	L-N: 150V H-N: 320V
	L-G	300V	300V	300V	300V	150V	—	640V	320V	—	L-G: 300V H-G: 470V
	N-G	150V	150V	150V	150V	150V	—	320V	320V	—	150V
	L-L	—	300V	300V	300V	300V	320V	640V	640V	550V	L-L: 300V H-L: 470V
Voltage Protection Rating (VPR)	L-N	1000V	1000V	1000V	1000V	1000V	—	1500V	1500V	—	L-N: 1000V H-N: 1500V
	L-G	1500V	1500V	900V	1500V	1200V	—	2500V	1500V	—	L-G: 1500V H-G: 2000V
	N-G	700V	700V	700V	700V	800V	—	1200V	1200V	—	700V
	L-L	—	1500V	1500V	1500V	1500V	1500V	2500V	2500V	2000V	L-L: 1500V H-L: 2500V
Protection mode		2 mode	3 mode	3 mode	4 mode	7 mode	3 mode	4 mode	7 mode	3 mode	4 mode
Maximum surge current, per mode (per phase)		100kA (100kA)	100kA (100kA)	100kA (100kA)	100kA (100kA)	100kA (200kA)	100kA (100kA)	100kA (100kA)	100kA (200kA)	100kA (100kA)	100kA (100kA)
Short Circuit Current Rating (SCCR)		100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA
Nominal discharge rate (I _n)		20kA	20kA	20kA	20kA	20kA	20kA	20kA	20kA	20kA	20kA
EMI/RFI Noise Rejection		-20dB to -40dB (50KHz-10MHz)									
Diagnostics		Real time protection status LEDs & audible alarm									
Remote Monitoring		Dry contacts-N.O./N.C. form C rated at 7Amps @ 240VAC or 30VDC									
Warranty											
Product Warranty		Limited 5-year warranty									
Replacement Module Warranty		Limited 5-year warranty									

Type 2 Surge Protective Devices

37000 and 47000 Series



37000 and 47000 Series Type 2 Surge Panels

Leviton's 37000 and 47000 Series panel mounted surge protective devices provide seven-mode protection in WYE-configured, 3-phase AC systems. These devices are designed for installation at the service entrance, at branch panels, or as dedicated transient surge protection for critical equipment.

Features and Benefits

37000 and 47000 Series for Commercial and Industrial Applications

- Can be used in commercial and industrial applications
- Protection for up to 100,000A (37000 Series) or 200,000A (47000 Series) of surge current per mode
- Loss of phase detection status
- Models available in NEMA Type 1 enclosures for indoor applications and Type 4X enclosures (47000 series only) for outdoor applications
- Seven-Mode Protection (each phase to neutral, each phase to ground and neutral to ground)
- Real-time diagnostics monitor power and suppression status for each phase and provide both LED indicators and audible alarm
- Equipped with dry contacts for remote monitoring
- Limited 5-year warranty



37120-7



47277-7

37000 and 47000 Series Type 2 Surge Panels

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
37120-7	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	100kA (200kA)
37277-7	7-Mode Surge Protection Panel	277/480 3Ø WYE, 4-wire + gnd	100kA (200kA)
47120-7	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	200kA (400kA)
47120-4X7	7-Mode Surge Protection Panel in Type 4X enclosure	120/208 3Ø WYE, 4-wire + gnd	200kA (400kA)
47277-7	7-Mode Surge Protection Panel	277/480 3Ø WYE, 4-wire + gnd	200kA (400kA)
47277-4X7	7-Mode Surge Protection Panel in Type 4X enclosure	277/480 3Ø WYE, 4-wire + gnd	200kA (400kA)

Specifications for 37000 and 47000 Series Type 2 Surge Panels

Cat. No.		37120-7	37277-7	47120-7	47120-4X7	47277-7	47277-4X7
Electrical Specifications							
Voltage		120/208VAC 3-phase WYE	277/480VAC 3-phase WYE	120/208VAC 3-phase WYE	120/208VAC 3-phase WYE	277/480VAC 3-phase WYE	277/480VAC 3-phase WYE
Frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology		40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV
Recommended Circuit Breaker Rating		30A, 120/208V	30A, 277/480V	30A, 120/208V	30A, 120/208V	30A, 277/480V	30A, 277/480V
Performance Data							
Nominal Discharge Rating (I _N)		5kA	5kA	10kA	10kA	10kA	10kA
Maximum Continuous Operating Voltage (MCOV)	L-L	280V	640V	280V	280V	640V	640V
	L-N	140V	320V	140V	140V	320V	320V
	L-G	140V	320V	140V	140V	320V	320V
	N-G	130V	300V	130V	130V	300V	300V
Voltage Protection Rating (VPR)	L-L	1200V	2000V	1000V	1000V	1800V	1800V
	L-N	800V	1200V	700V	700V	1200V	1200V
	L-G	900V	1500V	900V	900V	1500V	1500V
	N-G	700V	1200V	700V	700V	1200V	1200V
Maximum Surge Current, per Mode (per Phase)		100kA (200kA)	100kA (200kA)	200kA (400kA)	200kA (400kA)	200kA (400kA)	200kA (400kA)
Protection Mode		7 mode					
Short Circuit Current Rating (SCCR)		10kA					
Noise Filtering		-40dB @ 10K-10MHz					
Diagnostics		Real time protection status LEDs & audible alarm					
Warranty							
Product Warranty		Limited 5-year warranty					

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



Type 2 Surge Protective Devices

32000 and 42000 Series



32000 and 42000 Series Type 2 Surge Panels

One of our most popular series, Leviton's 32000 and 42000 surge protection panels provide protection for up to 80kA of surge current per mode. They feature noise filtering, visual and audible indication of surge protection status and dry contacts for remote monitoring, all in a compact enclosure.

Features and Benefits

32000 and 42000 Series Panel Mount Surge Protective Devices

- Provide protection for up to 80kA of surgecurrent per mode
- 32000 Series features reduced noise filtering for optimum compatibility with home controls
- 42000 Series incorporates enhanced noise filtering and sine wave tracking for superior protection
- Loss of phase detection status
- Three-phase models can be wired for either WYE or Delta AC systems
- Equipped with indicator lights and audible alarm for monitoring power and surge suppression status
- NEMA Type 3R enclosure for indoor/outdoor applications
- Optional flush mount collar available (42001-FMC)
- Limited 5-year warranty



42120-1 with 42001-FMC
Flush Mount Collar



42120-1

32000 and 42000 Series Type 2 Surge Panels

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
32120-1	4-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	80kA (80kA)
32120-DY3	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd; 208 3Ø Delta, 3-wire + gnd; 220 3Ø Delta, 3-wire + gnd	80kA (80kA)
32277-DY3	7-Mode Surge Protection Panel	220/380 3Ø WYE, 4-wire + gnd; 277/480 3Ø WYE, 4-wire + gnd; 240 3Ø Delta, 3-wire + gnd; 480 3Ø Delta, 3-wire + gnd	80kA (80kA)
32412-DS3	7-Mode Surge Protection Panel	120/240/120 3Ø Hi-leg Split Phase Delta, 4-wire + gnd	80kA (80kA)
42120-1	4-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	80kA (80kA)
42120-DY3	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd; 208 3Ø Delta, 3-wire + gnd; 220 3Ø Delta, 3-wire + gnd	80kA (80kA)
42277-DY3	7-Mode Surge Protection Panel	220/380 3Ø WYE, 4-wire + gnd; 277/480 3Ø WYE, 4-wire + gnd; 240 3Ø Delta, 3-wire + gnd; 480 3Ø Delta, 3-wire + gnd	80kA (80kA)
42412-DS3	7-Mode Surge Protection Panel	120/240/120 3Ø Hi-leg Split Phase Delta, 4-wire + gnd	80kA (80kA)
42001-FMC	Flush Mount Collar for all 32000 and 42000 Series Panels	—	—

51120 Series Type 2 Surge Panels

Leviton's 51120 Series panel mount surge protective devices are designed for use in homes and apartment buildings at the service entrance, electrical utility meter, or other branch panel locations. They are also ideal for use in pumping stations, radio towers and light commercial buildings where protection from high-energy, high-voltage transients is desired.

Features and Benefits

51120 Series Panel Mount Surge Protective Devices

- Can be used in commercial and residential applications
- Single high-energy solid-state semiconductor surge suppression circuitry per phase
- Real-time diagnostic visual indicator shows power and suppression status for each protected phase
- Standard J-Box enclosure with pre-punched standard knock-outs can be easily surface mounted in typical frame construction
- Feature a low VPR to ensure protection of sensitive electronic devices including LCD TVs and computers
- Compatible with Leviton Decora Home Controls
- Limited 5-year warranty
- Connected equipment coverage up to \$25,000 for the 51120-1



51120-1

51120 Series Type 2 Surge Panels

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
51120-1	2-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	50kA (50kA)
51120-3	3-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd	50kA (50kA)

Continued on next page

Type 2 Surge Protective Devices

32000/42000, 51120-1 and 51120-3 Series



Continued from previous page

Specifications for 32000/42000, 51120-1 and 51120-3 Series Type 2 Surge Panels

Cat. No.	51120-1	51120-3	32120-1 42120-1	32120-DY3 42120-DY3	32277-DY3 42277-DY3	32412-DS3 42412-DS3	32347-DY3 42347-DY3	
Electrical Specifications								
Voltage	120/240VAC Single phase	120/208VAC 3-phase WYE	120/240VAC Single phase	120/208V 3Ø WYE	277/408V 3Ø WYE	120/240/120V 3Ø Hi-Leg Delta	347/600V 3Ø WYE, 660V 3Ø Delta	
Surge Technology	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	
Recommended Circuit Breaker Rating	20A, 120/24V	20A, 120/208V	20A, 120/240V	30A, 120/208V	30A, 277/480V	30A, 120/240V	30A, 347/600V	
Performance Data								
Maximum Continuous Operating Voltage (MCOV)	L-N	150V	150V	150V	150V	320V	150V	385V
	L-G	—	—	300V	300V	640V	300V	—
	N-G	—	—	150V	150V	320V	150V	—
	L-L	300V	300V	254V	254V	552V	254V	770V
Voltage Protection Rating (VPR)	L-N	800V	800V	800V	700V	1200V	800V	1200V
	L-G	—	—	2500V	—	—	—	—
	N-G	—	—	700V	700V	1200V	700V	1000V**
	L-L	1200V	1200V	1000V	1000V	1800V	1000V	2000V**
Nominal Discharge Rating (I _N)	3kA	3kA	3kA	3kA	3kA	3kA	N/A	
Maximum Surge Current, per Mode (per Phase)	50kA (50kA)	50kA (50kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)	
Short Circuit Current Rating (SCCR)	10kA	10kA	100kA	100kA	100kA	100kA	100kA	
EMI/RFI Noise Rejection	-6dB to -28dB (@ 100KHz- 100MHz)	-6dB to -28dB (@ 100KHz- 100MHz)	32000 Series: -20 to -40dB (@ 1.5K-1.2MHz) 42000 Series: -30 to -40dB (@ 10K-10MHz)					
Warranty								
Product Warranty	Limited 5-year warranty							
Connected Equipment Coverage	Up to \$25,000*	—						

*As part of the True Whole House Surge Protection Warranty.

**Surge Voltage Rating (SVR)

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



51110 Series Type 2 Surge Panels

Leviton's 51110 Series residential surge protection panels are designed for mounting at the service entrance in homes, apartments and condominiums. They offer advanced surge protection for modern electronics and appliances, reducing the risk of damage from spikes and surges entering the property through AC power lines.

Features and Benefits

51110 Series Panel Mount Surge Protective Devices

- Real-time diagnostic visual indicator shows power and suppression status for each protected phase
- UL 1449 3rd Edition rated
- Loss of Phase Detection
- DHC Power Line Carrier compatible
- 150 maximum continuous operating voltage (MOV) rating allows for tolerance to line voltage swells
- Limited 5-year warranty



51110-1



51110-SRG

51110 Series Type 2 Surge Panels

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
51110-1	4-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	48kA (96kA)
51110-SRG	4-Mode Surge Protection Panel, NEMA 4X	120/240 Single-phase, 2-wire + gnd	48kA (96kA)

Continued on next page

Type 2 Surge Protective Devices

51110-SRG



Continued from previous page

Specifications for 51110 Type 2 Surge Panels

Cat. No.		51110-SRG
Electrical Specifications		
Voltage		120/240VAC Single phase
Surge Technology		MOV
Frequency		50/60Hz
Recommended Circuit Breaker Rating		20A, 120/240V
Performance Data		
Maximum	L-N	150V
Continuous	L-G	150V
Operating	N-G	150V
Voltage (MCOV)	L-L	300V
Voltage	L-N	600V
Protection	L-G	600V
Rating	N-G	600V
(VPR)	L-L	1000V
Nominal Discharge Rating (I_n)		3kA
EMI/RFI Noise Rejection		-6dB to -28dB (@ 100KHz-100MHz)
Maximum Surge Current, per Mode (per Phase)		48kA (96kA)
Short Circuit Current Rating (SCCR)		10kA

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



Type 3 Point-of-Use

Type 3 Surge Protective Devices

Type 3 SPDs are point of utilization SPDs, installed at a minimum conductor length of 10 meters (30 feet) from the electrical service panel to the point of utilization. Examples include cord connected, direct plug-in, receptacle type and SPDs installed at the utilization equipment being protected. The distance (10 meters) is exclusive of conductors provided with or used to attach SPDs.

Surge Protective Receptacles & Power Strips



Color Choices Surge protective receptacles are offered in a wide range of colors. To order colors, add suffix to Cat. No.



White
(-W)



Ivory
(-I)



Light Almond
(-T)



Gray
(-G/-GY)



Black
(-E)



Brown



Red
(-R)



Blue
(-B)



Orange
(-O)

Type 3 Surge Protective Receptacles

Leviton offers the broadest selection of surge protective receptacles in the industry. The low cost of these receptacles, combined with their ease of installation, means they can be placed anywhere you have a standard electrical outlet. So with a small investment, you have the assurance that your equipment is well protected — whether it's a heart monitor in the emergency room, a computer in your office, or the big screen TV in your living room.

Features and Benefits

Type 3 Surge Protective Receptacles

- Available in 15A, 125V and 20A, 125V ratings
- Tamper-resistant versions have a shutter mechanism that prevents incidental contact with energized contacts
- Indicator light provides visual indication that equipment is being protected
- Single, duplex and Four-In-One versions
- EMI/RFI noise filtering
- Available audible alarm for hidden locations (can be silenced)
- Wide variety of color options aid in identifying different types of equipment or applications
- Back and side-wired design with durable metal mounting strap
- Point-of-use protection for up to 18,000A of surge current total

Commercial/Industrial Grade Type 3 Surge Protective Receptacles

Decora® Tamper-Resistant Surge Protective Receptacles

Amp	Outlet Configuration	Brown	Ivory	White	Gray	Red	Blue	Black	Orange	Lt. Almond	Features
15A	Duplex	T5280	T5280-I	T5280-W	T5280-GY	—	T5280-B	T5280-E	—	T5280-T	■
15A	Duplex	—	T7280-I	T7280-W	—	—	T7280-B	T7280-E	—	T7280-T	■ ◆
15A	Duplex	—	T8280-I	T8280-W	—	T8280-R	T8280-B	—	—	T8280-T	● ■ ◆
20A	Duplex	T5380	T5380-I	T5380-W	T5380-GY	—	T5380-B	T5380-E	—	—	■
20A	Duplex	—	T7380-I	T7380-W	—	—	T7380-B	T7380-E	—	—	■ ◆
20A	Duplex	—	T8380-I	T8380-W	T8380-GY	T8380-R	T8380-B	—	—	—	● ■ ◆

Decora® Surge Protective Receptacles

Amp	Outlet Configuration	Brown	Ivory	White	Gray	Red	Blue	Black	Orange	Lt. Almond	Features
15A	Duplex	5280	5280-I	5280-W	5280-GY	—	5280-B	—	—	5280-T	■
20A	Duplex	5380	5380-I	5380-W	5380-GY	—	5380-B	—	—	—	■
15A	Duplex	5280-IG	5280-IGI	5280-IGW	—	—	5280-IGB	—	5280-IGO	—	■ ▼
20A	Duplex	5380-IG	5380-IGI	5380-IGW	5380-IGG	—	5380-IGB	—	5380-IGO	—	■ ▼
15A	Duplex	—	7280-I	7280-W	—	—	7280-B	—	—	7280-T	■ ◆
20A	Duplex	—	7380-I	7380-W	—	—	7380-B	—	—	—	■ ◆

Four-In-One Surge Protective Receptacles

Amp	Outlet Configuration	Brown	Ivory	White	Gray	Red	Blue	Black	Orange	Lt. Almond	Features
15A	Four-In-One	—	5480-I	5480-W	5480-GY	5480-R	5480-BU	—	—	—	■
20A	Four-In-One	—	5490-I	5490-W	5490-GY	—	5490-BU	—	—	—	■
15A	Four-In-One	—	—	—	—	—	—	—	5480-IG	—	■ ▼
20A	Four-In-One	—	5490-IGI	—	—	—	5490-IGB	—	5490-IG	—	■ ▼

Key:

- ▼ Isolated Ground
- ◆ Audible Alarm
- Indicator Light
- Hospital Grade

Hospital Grade Type 3 Surge Protective Receptacles

Decora® Surge Protective Receptacles

Amp	Outlet Configuration	Brown	Ivory	White	Gray	Red	Blue	Black	Orange	Lt. Almond	Features
15A Duplex	8280	8280-I	8280-W	—	8280-R	8280-B	—	—	—	8280-T	■ ◆ ●
20A Duplex	8380	8380-I	8380-W	8380-GY	8380-R	8380-B	—	—	—	—	■ ◆ ●
20A Single	—	8381-I	—	—	—	—	—	—	—	—	■ ◆ ●
15A Duplex	—	8280-IGI	8280-IGW	—	—	8280-IGB	—	8280-IGO	—	—	▼ ■ ◆ ●
20A Duplex	—	8380-IGI	8380-IGW	8380-IGG	—	8380-IGB	—	8380-IGO	—	—	▼ ■ ◆ ●
20A Single	—	8381-IGI	—	—	—	—	—	—	—	—	▼ ■ ◆ ●

Four-In-One Surge Protective Receptacles

Amp	Outlet Configuration	Brown	Ivory	White	Gray	Red	Blue	Black	Orange	Lt. Almond	Features
15A Four-In-One	—	8480-I	8480-W	—	8480-R	—	—	—	—	—	■ ◆ ●
20A Four-In-One	—	8490-I	8490-W	—	8490-R	—	—	—	—	—	■ ◆ ●
15A Four-In-One	—	8480-IGI	8480-IGW	—	—	8480-IGB	—	—	—	—	▼ ■ ◆ ●
20A Four-In-One	—	8490-IGI	—	—	—	8490-IGB	—	8490-IG	—	—	▼ ■ ◆ ●

Key:

- ▼ Isolated Ground
- ◆ Audible Alarm
- Indicator Light
- Hospital Grade



T5280-T



T7380-B



T5380-I



T7280-W



8490-R

Specifications for Type 3 Surge Protective Receptacles

Specs for Type 3 Surge Protective Receptacles

Electrical Specifications	
Dielectric Voltage	Withstands 2000V per UL498
Current Limiting	Full rated current
Temperature Rise	Max 30C after 250 cycles OL at 200% rated current
Performance Data	
Maximum Continuous Operating Voltage (MCOV)	150V rms
Joules Rating	720
Nominal Discharge Current (I _n)	3kA (Meets Type 2 & Type 3 requirements)
Maximum Surge Current, Per Mode	L-N: 18kA, L-G: 9kA, N-G: 9kA
Noise Rejection	-30dB at 500kHz-30MHz
Voltage Protection Rating (VPR)	L-N: 600V, L-G: 700V, N-G: 600V
Short Circuit Current Rating (SCCR)	5kA
Diagnostics	Indicator light, audible alarm (on select versions)
Warranty	
Product Warranty	Limited 5-year warranty

Type 3 Surge Protective Devices

Lev-Lok® 15A, 20A Receptacles



Lev-Lok® Surge Protective Receptacles

Features and Benefits

- Available in 15A, 125V and 20A, 125V ratings
- Indicator light provides visual indication that equipment is being protected
- EMI/RFI Noise Filtering
- Audible alarm to indicate loss of surge protection (can be silenced)
- Wide variety of color options aid in identifying different types of equipment or applications
- Point-of-use protection for up to 18,000A of surge current total

Hospital Grade 15A and 20A, 125V



Rating

15A-125V

20A-125V

NEMA



5-15R



5-20R

Description

Color

Cat. No.

Cat. No.

Duplex, Tamper-Resistant with
Indicator Light & Audible Alarm

White
Ivory
Light Almond
Gray
Black
Brown
Blue
Red

MT828-W
MT828-I
MT828-T
MT828-GY*
MT828-E*
MT828*
MT828-B
MT828-R

MT838-W
MT838-I
MT838-T*
MT838-GY
MT838-E*
MT838*
MT838-B
MT838-R



MT828-W

Commercial/Industrial Grade 15A and 20A, 125V



Rating

15A-125V

20A-125V

NEMA



5-15R



5-20R

Description

Color

Cat. No.

Cat. No.

Duplex, Tamper-Resistant with
Indicator Light

White
Ivory
Light Almond
Gray
Black
Brown
Blue
Red

MT528-W
MT528-I
MT528-T
MT528-GY
MT528-E
MT528*
MT528-B
MT528-R

MT538-W
MT538-I
MT538-T*
MT538-GY
MT538-E
MT538
MT538-B
MT538-R*

Duplex, Tamper-Resistant with
Indicator Light & Audible Alarm

White
Ivory
Light Almond
Gray
Black
Brown
Blue
Red

MT728-W
MT728-I
MT728-T
MT728-GY*
MT728-E
MT728*
MT728-B
MT728-R*

MT738-W
MT738-I
MT738-T*
MT738-GY
MT738-E*
MT738*
MT738-B
MT738-R*

*Available upon request; minimum quantities apply

Type 3 Surge Protective Power Strips

Medical Grade Power Strips

Leviton's family of medical grade power strips are designed explicitly for use in health care facilities, including patient care areas as defined by NEC (2011) Article 517. These devices also satisfy electrical safety requirements specified in NFPA 99 (2012): Health Care Facilities Code, allowing facility managers to ensure that their facilities are compliant with this safety regulation.

Features and Benefits

- UL 60601-1, UL 1363A, and UL 60950-1 compliant to meet all major safety regulations required for health care facilities
- All outlets are hospital grade, ensuring dependable performance
- Surge-protective models are UL 1449 3rd edition compliant, providing the ultimate protection against voltage surges that can damage or diminish the performance of sensitive electronic equipment
- NAFTA Compliant
- Heavy duty steel construction withstands the rigors of demanding environments
- Built-in overload protection shuts off the strip in case of excess power draw, and can be returned to service with the simple push of a button
- Locking safety covers are splash-resistant and protect from incidental contact with unused outlets
- Indicator lights provide visual confirmation of power and surge protection (where applicable)
- Limited 5-year warranty

Stock Medical Grade Power Strips

Description	Current Rating	AC Power Cord Length	Number of Outlets	Cat. No.
Surge Protected Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	2	5302M-1S7
		7 ft.	4	5304M-1S7
		7 ft.	6	5306M-1S7
		15 ft.	2	5302M-1S5
		15 ft.	4	5304M-1S5
		15 ft.	6	5306M-1S5
	20A (16A max continuous load)	7 ft.	2	5302M-2S7
		7 ft.	4	5304M-2S7
		7 ft.	6	5306M-2S7
		15 ft.	2	5302M-2S5
		15 ft.	4	5304M-2S5
		15 ft.	6	5306M-2S5
Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	2	5302M-1N7
		7 ft.	4	5304M-1N7
		7 ft.	6	5306M-1N7
		15 ft.	2	5302M-1N5
		15 ft.	4	5304M-1N5
		15 ft.	6	5306M-1N5
	20A (16A max continuous load)	7 ft.	2	5302M-2N7
		7 ft.	4	5304M-2N7
		7 ft.	6	5306M-2N7
		15 ft.	2	5302M-2N5
		15 ft.	4	5304M-2N5
		15 ft.	6	5306M-2N5



5306M-1S7



5304M-1S5

*Minimum quantities apply.

All items available with flying leads; surge-protected strips available with audible alarm as a special order — contact your Leviton sales representative for details

Continued on next page

Type 3 Surge Protective Devices

Medical Grade Bracket | 5100 and 5300 Series Surge Strips



Continued from previous page

Specifications for Medical Grade Power Strips

	Non-Surge Protected	Surge Protected	Non-Surge Protected	Surge Protected
Cat. No.	5302M-1N7	5302M-1S7	5302M-2N7	5302M-2S7
	5304M-1N7	5304M-1S7	5304M-2N7	5304M-2S7
	5306M-1N7	5306M-1S7	5306M-2N7	5306M-2S7
	5302M-1N5	5302M-1S5	5302M-2N5	5302M-2S5
	5304M-1N5	5304M-1S5	5304M-2N5	5304M-2S5
	5306M-1N5	5306M-1S5	5306M-2N5	5306M-2S5
Electrical Specifications				
Amperage	15A (12A max continuous load)		20A (16A max continuous load)	
Voltage	125V		125V	
Frequency	60Hz		60Hz	
Performance Data				
Maximum Leakage Current	<100μA		<100μA	
Warranty				
Product Warranty	Limited 5-year warranty		Limited 5-year warranty	

Medical Grade Power Strip Mounting Bracket

Description

Compatible with Leviton Medical Grade Power Strips. Durable powder coated aluminum, with adjustable Mounting Clamps that fit any diameter pole from .875" to 1.25"

Cat. No.

5300M-BKT



5300M-BKT

Medical Grade Power Strips with Load Monitoring Inform™ Technology



Leviton's medical grade power strips with load monitoring Inform™ Technology feature a real-time, line-of-sight LED indication when the NFPA 99 current limit of 75% has been reached.

According to NFPA 99 Article 10.2.3.6:

"The sum of the ampacity of all appliances connected to the outlets does not exceed 75 percent of the ampacity of the flexible cord supplying the outlets."

Inform™ monitors the ampacity of your med-strips so you do not have to, eliminating the need for manual calculations and providing a simple and efficient way to improve code compliance and electrical safety in health care facilities. This is the only product on the market addressing the challenge of overseeing load in hospital power strips.

LOAD MONITOR
EXCEEDED NFPA 99
CURRENT LIMIT WHEN LIT



Load monitoring LED will remain off until NFPA 99 limit is reached. LED will turn yellow to alert user when 75% or more of the rated load is flowing.*

* Power will not be interrupted as a result of the load monitor circuit indicator being activated.

Medical Grade Power Strips with Load Monitoring Inform™ Technology

Description	Current Rating	AC Power Cord Length	Number of Outlets	Cat. No.
Surge Protected Medical Grade Power Strips with Load Monitoring Inform™ Technology	15A (12A max continuous load)	7 ft.	6	53C6M-1S7
		15 ft.		53C6M-1S5
	20A (12A max continuous load)	15 ft.		53C6M-2S7
		15 ft.		53C6M-2S5
Medical Grade Power Strips with Load Monitoring Inform™ Technology	15A (12A max continuous load)	7 ft.	4	53C4M-1N7
		15 ft.		53C4M-1N5
	15A (12A max continuous load)	7 ft.	6	53C6M-1N7
		15 ft.		53C6M-1N5
Medical Grade Power Strip with Load Monitoring Inform™ Technology	20A (12A max continuous load)	7 ft.	4	53C4M-2N7
		15 ft.	6	53C4M-2N5
				53C6M-2N5



53C4M-1N7

5100 and 5300 Series Type 3 Surge Protective Strips

Leviton's 5100 and 5300 Series surge protected power strips offer superior protection for any commercial, industrial, or hospital application. Our industrial strips feature robust construction, including durable metal housings, while our commercial grade strips feature a durable thermoplastic housing. They are available in two performance levels to address surge protection needs in a variety of commercial and industrial environments. Our hospital version strips feature tamper-resistant hospital grade receptacles.

Features and Benefits

5100 and 5300 Series, 6-Outlet Surge Protective Strips

- Multi-line protection (L-N, L-G, N-G)
- 6 surge protected outlets
- LEDs indicate power and protection status
- Onboard resettable circuit breaker
- Limited lifetime product warranty
- Limited lifetime connected equipment protection policy

5100 and 5300 Series Type 3 Surge Strips

Cat. No.	Application	Maximum Input Current	Joules	Alarm	Enclosure	On/Off Switch	Cord Length
5100-PS	Commercial	15A	720	—	ABS Plastic	Yes	6 ft.
5100-S15			1520				15 ft.
5300-PS			1330				6 ft.
5300-S15			900				15 ft.
5100-IPS	Industrial	20A	1330	Audible at protection loss	Steel	No	6 ft.
5100-IS2			900				15 ft.
5300-IPS			1330				6 ft.
5300-H15	Hospital	15A	952	—		No	15 ft.
5300-HTS			952				6 ft.



5100-PS

Specifications for 5100 and 5300 Series Type 3 Surge Strips

Cat. No.	5100-IPS	5100-IS2	5300-IPS	5300-H15	5300-HTS	5300-HT2	5100-PS 5100-S15	5300-PS 5300-S15
Series	Industrial/Hospital						Commercial	
Electrical Specifications								
Amperage	15A	20A	15A	15A	15A	20A	15A	15A
Voltage	125VAC							
Frequency	50/60Hz							
Surge Technology	MOV							
Performance Data								
Maximum Continuous Operating Voltage (MCOV)	150V	150V	130V	150V	150V	150V	150V	130V
Joules	1330J	900J	1330J	952J	952J	952J	720J	1520J
Maximum Surge Current, per Mode (L-N)	84kA	45kA	84kA	51kA	51kA	51kA	36kA	96kA
Noise Filtering	-5 to -25dB (@500K-100MHz)							
Voltage Protection Rating (VPR)	600V	600V	500V	500V	500V	500V	500V	500V
	600V	700V	600V	700V	700V	600V	600V	600V
	600V	700V	600V	700V	700V	600V	700V	500V
Warranty								
Product Warranty		Limited 5-year warranty						



5100-IPS



5300-HTS

Type 3 Surge Protective Devices

S1000 and S2000 Series Surge Strips



S1000 and S2000 Series Type 3 Surge Protective Strips

Leviton's S1000 and S2000 Series surge protected strips provide superior protection for everyday use in professional work areas and home offices, protecting computers, peripherals and other electronic devices from damaging surges, voltage transients and noise spikes.

Features and Benefits

S1000 and S2000 Series Surge Protective Strips

- Diagnostic LEDs for surge protection, polarity, and ground
- Resettable circuit breaker and internal fusing circuit protection
- Audible alarm indicates loss of surge protection
- Multi-line protection (L-N, L-G, N-G)
- VELCRO® Brand fasteners

- Mounting template provided for easy installation
- Optional coax and Telco surge protection
- All units feature right angle NEMA 5-15P plug
- Limited lifetime product warranty and connected equipment protection policy



S1000-PS



S2000-PS

S1000 and S2000 Series Type 3 Surge Protective Strips

Cat. No.	Maximum Input Current	Joules	Data Protection	Enclosure	Number of Outlets	Cord Length
S1000-PS	15A	1010J	—	ABS plastic	6	6 ft.
S1000-S15	15A	1010J	—	ABS plastic	6	15 ft.
S1000-PTC	15A	1010J	RJ-11, Coax	ABS plastic	6	6 ft.
S2000-PS	15A	2020J	—	ABS plastic	9	6 ft.
S2000-S15	15A	2020J	—	ABS plastic	9	15 ft.
S2000-PTC	15A	2020J	RJ-45, Coax	ABS plastic	9	6 ft.

Specifications for S1000 and S2000 Series Type 3 Surge Strips

Cat. No.		S1000-PS, S1000-S15, S1000-PTC	S2000-PS, S2000-S15, S2000-PTC
Electrical Specifications			
Amperage		15A	15A
Voltage		120V	120V
Frequency		50/60Hz	50/60Hz
Surge Technology		MOV	MOV
Performance Data			
Maximum Continuous Operating Voltage (MCOV)		150V	150V
Joules		1010J	2020J
Maximum Surge Current, per Mode (L-N)		25kA	62.5kA
Voltage Protection Rating (VPR)	L-N	600V	500V
	L-G	700V	700V
	N-G	700V	700V
Noise Filtering		-8 to -25dB (@ 100K-100MHz)	-10 to -20dB (@ 5M-100MHz)
Warranty			
Product Warranty		Limited 5-year warranty	Limited 5-year warranty
Connected Equipment Warranty		Limited 5-year warranty	Limited 5-year warranty

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Type 4 UL Recognized Components

Type 4 Surge Protective Devices

Type 4 SPDs are component assemblies consisting of one or more Type 5 components — discrete component surge suppressors, such as MOVs that may be mounted on a PWB, connected by its leads or provided within an enclosure with mounting means and wiring terminations — together with a disconnect (integral or external).

3800 Series Type 4 Surge Protective Devices

Leviton's 3800 Series surge protective devices are designed to provide wired-in surge protection for devices in industrial and commercial equipment cabinets. These devices are suitable for 125VAC applications. Available in standard equipment or DIN Rail-Mount with terminal block for connections, or standard equipment mount with 6" long wire leads for termination and remote LED

Features and Benefits

3800 Series UL Recognized Components

- MOV-based suppression circuitry provides optimum clamping
- Type 4 Surge Protective Devices (SPD) evaluated for use in Type 2 SPD applications
- Tested to ANSI/IEEE C62.41 and C62.45 standards for category A & B applications
- Terminal-Block accepts 14 AWG or 12 AWG conductors
- Manufactured to ISO 9001 standards
- Limited 5-year warranty



3800-DIN



3800-WM



3800-OEM

3800 Series Type 4 Surge Protective Devices

Cat. No.	Description
3800-DIN	Terminal Block Connection, DIN Rail-Mounted
3800-WM	Terminal Block Connection
3800-OEM	Pigtail Connection w/ 6" lead

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



Type 4 Surge Protective Devices

UL Recognized Components



Continued from previous page

Specifications for 3800 Series Type 4 Surge Protective Devices

Cat. No.	3800-DIN, 3800-WM, 3800-OEM
Electrical Specifications	
Amperage	N/A
Voltage	125VAC
Frequency	50/60Hz
Surge Technology	MOV
Performance Data	
Maximum Continuous Operating Voltage (MCOV)	150V
Joules Rating	680J
Nominal Discharge Current (I_{n})	3kA
Maximum Surge Current, per Mode (per Phase)	L-N: 24kA, L-G: 12kA (36kA)
Voltage Protection Rating (VPR)	L-N: 700V, L-G: 800V, N-G: 700V
Noise Filtering	-10 to -15dB (@ 100K-100MHz)
Protection Modes	3
Warranty	
Product Warranty	Limited 5-year warranty

SPOTLIGHT

Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. For more information visit www.leviton.com/surge.



Type 4 DIN Rail-Mount Receptacles

The DIN Rail Series provide mounting in equipment cabinets where convenient plug-in surge protection is needed. Available in 120V single and duplex outlet configurations.

Features and Benefits

Single or Duplex Receptacles

- Provide MOV-based normal mode and common mode L-N, L-G, N-G surge protection
- Hospital grade receptacle ensures a secure plug-to-receptacle connection
- LED indicator light goes off when surge protection is lost
- Audible alarm with disable/quiet switch also indicates loss of surge protection
- Outlet continues to provide power to connected load in the event of a loss of protection

DIN Rail-Mount Receptacles — Type 4

DIN Rail-Mount Receptacles	
Cat. No.	Description
3880-DIN	Hospital Grade Surge Protective Duplex Receptacle, Single-phase, DIN Rail-Mount

Continued on next page



3880-DIN



Related Products

For more information on our Decora Plus™ Industrial grade DIN Rail-Mount Duplex receptacles **see page C-31 in the Straight Blade Devices section.** For more information on our Industrial grade DIN Rail GFCI receptacles **see page E-9 in the GFCIs and AFCIs section.**

Type 4 Surge Protective Devices

DIN Rail-Mount Receptacles



Continued from previous page

Specifications for DIN Rail-Mount Receptacles — Type 4

Cat. No.	3880-DIN
Electrical Specifications	
Amperage	15A
Volts	120VAC
Dielectric Voltage	Withstands 2000V per UL498
Current Limiting	Full rated current
Temperature Rise	Max 30C after 250 cycles OL at 200% rated current
Performance Data	
Maximum Continuous Operating Voltage (MCOV)	150V
Joules Rating	560J
Nominal Discharge Current (I_{n})	3kA
Maximum Surge Current, per Mode (per Phase)	9kA (18kA)
Noise Filtering	-20 to -40dB
Voltage Protection Rating (VPR)	L-N: 500V, L-G: 600V, N-G: 600V
Short Circuit Current Rating (SCCR)	N/A
Diagnostics	Indicator light, audible alarm
Protection Modes	3
Warranty	
Product Warranty	Limited 5-year warranty

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Surge Protection

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