

UL RECOGNIZED COMPONENTS | 51000 Series Surge Devices

51000 Series Type 4 Surge Protective Devices

Leviton's 51000 Series surge protective devices provide point-of-use surge protection for industrial applications such as factory automation servo motors, drives and PLCs. Available in models with maximum load currents of 5 to 16 amps and in both wall-mounted and DIN rail mounted configurations.

Features and Benefits

51000 Series UL Recognized Components

- Protection for up to 52,000 amps of surge current per mode
- Tested to ANSI/IEEE C62.41 and C62.45 standards for category A & B applications
- Type 4 Surge Protective Devices (SPD) evaluated for use in Type 3 SPD applications
- C Sinewave tracking provides enhanced EMI/RFI filtering
- Visual and audible alarms if surge protection is lost
- Dry contacts for remote monitoring
- Manufactured to ISO 9001 standards
- Backed by a limited 10-year warranty



51005-DIN



51020-DIN

51000 Series Type 4 Surge Protective Devices

Cat. No.	Description	Amperage	Voltage	Joules	MCOV	Enclosure
51005-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	5 Amp	120V AC	672J	150V	Polycarbonate
51005-WM	Single-phase, 2-Wire + Ground	5 Amp	120V AC	672J	150V	Polycarbonate
51010-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	10 Amp	120V AC	672J	150V	Polycarbonate
51010-WM	Single-phase, 2-Wire + Ground	10 Amp	120V AC	672J	150V	Polycarbonate
51015-WM	Single-phase, 2-Wire + Ground	15 Amp	120V AC	1360J	150V	Extruded Aluminum
51020-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	16 Amp	120V AC	1360J	150V	Extruded Aluminum
51020-WM	Single-phase, 2-Wire + Ground	16 Amp	120V AC	1360J	150V	Extruded Aluminum
51240-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	16 Amp	240V AC	2600J	270V	Extruded Aluminum
51240-WM	Single-phase, 2-Wire + Ground	16 Amp	240V AC	2600J	270V	Extruded Aluminum

UL RECOGNIZED COMPONENTS | 3800 and 51000 Series Surge Devices

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Specifications for 51000 and 3800 Series Type 4 Surge Protective Devices

Cat. No.	51005-DIN 51005-WM	51010-DIN 51010-WM	51015-WM	51020-DIN 51020-WM	51240-DIN 51240-WM	3800-DIN 3800-WM 3800-OEM
Electrical Specifications						
Amperage	5A	10A	15A	16A	16A	N/A
Voltage	120V AC	120V AC	120V AC	120V AC	240V AC	125V AC
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology	MOV	MOV	MOV	MOV	MOV	MOV
Performance Data						
Maximum Continuous Operating Voltage (MCOV)	150V	150V	150V	150V	270V	130V
Joules	672J	672J	1360J	1360J	2600J	600J
Nominal Discharge Current (I _n)	N/A	N/A	N/A	N/A	N/A	3kA
Maximum Surge Current, per Phase	L-N: 26kA L-G: 13kA (39kA)	L-N: 26kA L-G: 13kA (39kA)	L-N: 48kA L-G: 24kA (72kA)	L-N: 48kA L-G: 24kA (72kA)	L-N: 40kA L-G: 20kA (60kA)	L-N: 24kA L-G: 12kA (36kA)
Voltage Protection Rating (VPR)	L-L	—	—	—	700V	—
	L-N	500V	500V	400V	400V	700V
	L-G	600V	600V	500V	500V	800V
	N-G	500V	500V	500V	500V	600V
Noise Filtering	-20 to -40dB (@ 50K-100MHz)	-20 to -40dB (@ 50K-100MHz)	-20 to -40dB (@ 50K-100MHz)	-20 to -40dB (@ 50K-100MHz)	-20 to -40dB (@ 50K-100MHz)	-10 to -15dB (@ 100K-100MHz)
Protection Mode	3 mode	3 mode	3 mode	3 mode	3 mode	3 mode
Warranty						
Product Warranty	10-year limited					

SPOTLIGHT

Surge Protection

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

