

## 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 5A to 16A and in both wall-mounted and DIN Rail-Mounted configurations.

#### Features and Benefits

##### 51000 Series UL Recognized Components

- Protection for up to 52,000A 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	5A	120VAC	672J	150V	Polycarbonate
51005-WM	Single-phase, 2-Wire + Ground	5A	120VAC	672J	150V	Polycarbonate
51010-DIN	Single-phase, 2-Wire + Ground, DIN Rail-Mounted	10A	120VAC	672J	150V	Polycarbonate
51010-WM	Single-phase, 2-Wire + Ground	10A	120VAC	672J	150V	Polycarbonate
51015-WM	Single-phase, 2-Wire + Ground	15A	120VAC	1360J	150V	Extruded Aluminum
51020-DIN	Single-phase, 2-Wire + Ground, DIN Rail-Mounted	16A	120VAC	1360J	150V	Extruded Aluminum
51020-WM	Single-phase, 2-Wire + Ground	16A	120VAC	1360J	150V	Extruded Aluminum
51240-DIN	Single-phase, 2-Wire + Ground, DIN Rail-Mounted	16A	240VAC	2600J	270V	Extruded Aluminum
51240-WM	Single-phase, 2-Wire + Ground	16A	240VAC	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
<b>Electrical Specifications</b>						
Amperage	5A	10A	15A	16A	16A	N/A
Voltage	120VAC	120VAC	120VAC	120VAC	240VAC	125VAC
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Surge Technology	MOV	MOV	MOV	MOV	MOV	MOV
<b>Performance Data</b>						
Maximum Continuous Operating Voltage (MCOV)	150V	150V	150V	150V	270V	130V
Joules	672J	672J	1360J	1360J	2600J	600J
Nominal Discharge Current (I <sub>n</sub> )	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	700V
	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
<b>Warranty</b>						
Product Warranty	10-year limited					

### SPOTLIGHT

#### Surge Protection

Need assistance? To learn more about how to implement an effective surge protection network have a Surge Protection Expert contact you. Visit [www.leviton.com/surge](http://www.leviton.com/surge) for more information.

