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Find the *Leviton 51020-WM* at our website: ***Click HERE***

Product Bulletin
for 51000 Series
Surge Protective Devices (SPDs)

LEVITON

UL 1449 3rd Edition Recognized Components

Type 4 Surge Protective Devices (SPDs)

51000 Series UL Recognized Components



Leviton's 51000 Series Surge Protective Devices provide surge protection for industrial applications such as factory automation servo motors, drives and PLC's. 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

- 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 Protected 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
- 10-year Limited Product Warranty
- UL 1449 3rd Edition Recognized Components
- UL 1283 Electromagnetic Interference Filters

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Specifications

Catalog Number		51005-DIN 51005-WM	51010-DIN 51010-WM	51015-WM	51020-DIN 51020-WM	51240-DIN 51240-WM
Electrical						
Amperage		5 Amp	10 Amp	15 Amp	16 Amp	16 Amp
Voltage		120VAC	120VAC	120VAC	120VAC	240VAC
Frequency		50/60 Hz				
Surge Technology		MOV				
Performance Data						
Maximum Continuous Operating Voltage		150V	150V	150V	150V	270V
Joules		672J	672J	1360J	1360J	2600J
Maximum Surge Current, per mode		52kA	52kA	96kA	96kA	80kA
Protection Modes		3	3	3	3	3
Voltage Protection Rating (VPR)	L-L	-	-	-	-	700V
	L-N	500V	500V	400V	400V	-
	L-G	600V	600V	500V	500V	800V
	N-G	500V	500V	500V	500V	-
Short Circuit Current Rating		5kA	5kA	5kA	5kA	5kA
Noise Filtering		-20dB to -40dB (@50K-100MHz)	-20dB to -40dB (@50K-100MHz)	-20dB to -40dB (@50K-100MHz)	-20dB to -40dB (@50K-100MHz)	-20dB to -40dB (@50K-100MHz)
Material						
Enclosure		51015, 51020 & 51240 Extruded Aluminum 51005 and 51010 Polycarbonate housing				
Connection Type		Hard wired 51005 and 51010 accommodate 12 to 20 AWG wire 51015, 51020 and 51240 accommodate 8 to 12 AWG wire				
Diagnostics		Indicator lights and sound alarm for loss of protection				
Remote Monitoring		Rated 0.46 A, 150VAC or 1A, 30Vdc Dry contact				
Environmental						
Operating Temperature		14°F to 140°F/ -10°C to 60°C				
Storage Temperature		-20°C to 85°C				
Flammability		Polycarbonate enclosures (51005 and 51010) - V-2 rated				
Relative Humidity		5% to 95% (non-condensing)				
Standards and Certifications						
UL 1449 3rd Ed.		UL Recognized Components (cURus)				
ANSI/IEEE Category A & B		C-62.41 & C-62.45				
Warranty		10-Year Limited				

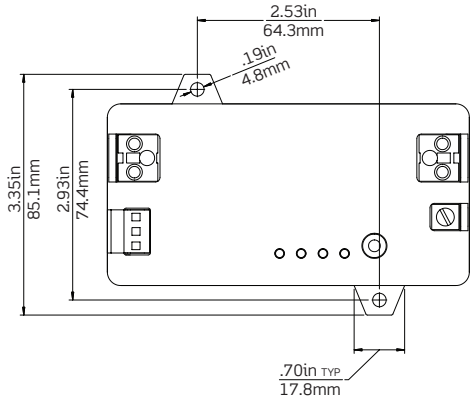
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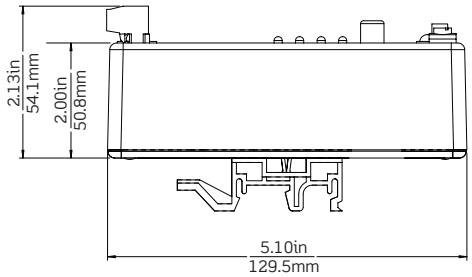
Ordering Information

Type 4 Surge Protective Devices, 3-Mode Protection						
Catalog #	**Description**	**Amperage**	**Voltage Rating**	**Joules**	**MCOV**	**Enclosure**
51005-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	5 Amp	120VAC	672J	150V	Polycarbonate
51005-WM	Single-phase, 2-Wire + Ground	5 Amp	120VAC	672J	150V	Polycarbonate
51010-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	10 Amp	120VAC	672J	150V	Polycarbonate
51010-WM	Single-phase, 2-Wire + Ground	10 Amp	120VAC	672J	150V	Polycarbonate
51015-WM	Single-phase, 2-Wire + Ground	15 Amp	120VAC	1360J	150V	Extruded Aluminum
51020-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	16 Amp	120VAC	1360J	150V	Extruded Aluminum
51020-WM	Single-phase, 2-Wire + Ground	16 Amp	120VAC	1360J	150V	Extruded Aluminum
51240-DIN	Single-phase, 2-Wire + Ground, DIN-rail mounted	16 Amp	240VAC	2600J	270V	Extruded Aluminum
51240-WM	Single-phase, 2-Wire + Ground	16 Amp	240VAC	2600J	270V	Extruded Aluminum

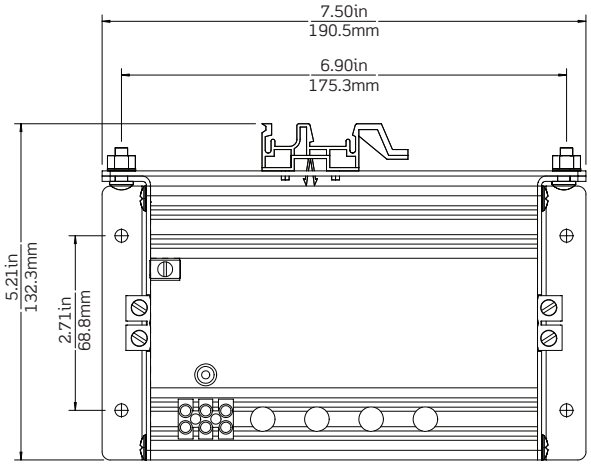
Dimensional Drawings

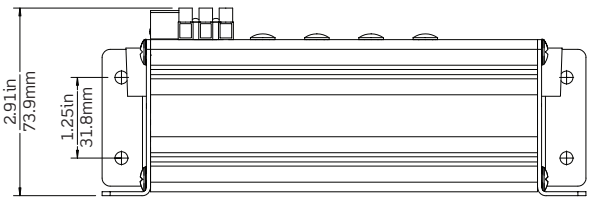
Catalog Number 51005 and 51010





Catalog Number 51015, 51020 amd 51240





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