

### Equipment Cabinet Surge Protection Modules 3800 Series

#### Specifications and Features

##### 3800 Series

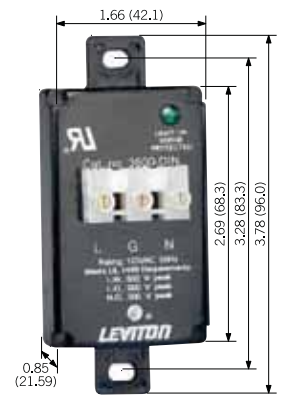
- MOV-based suppression circuitry provides optimum clamping
- Provides Normal Mode protection for line-to-neutral and common mode; line-to-ground and neutral-to-ground
- Noise rejection @ 5kHz-5MHz: -35db
- 3800: 135V (MCOV); 3840: 250V (MCOV)
- 3800-DIN, 3800-OWM: Terminal block accepts 22 AWG to 12 AWG conductors
- Ten-Year Limited Product Warranty

##### 3880-DIN & 3801-DIN

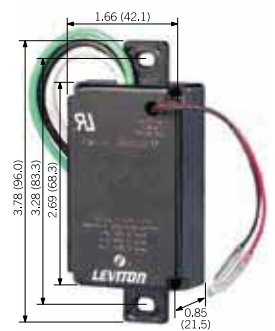
- Ideal for mounting in equipment cabinets where convenient plug-in surge protection is desired
- Green LED indicates surge protection loss
- Audible alarm
- Integral disable (quiet) switch — 3880-DIN
- Power continues to be provided to loads in the event of protection loss
- Terminal Block accepts #22-#12 AWG conductors
- Ten-Year Limited Product Warranty

### EQUIPMENT CABINET SURGE PROTECTIVE MODULES 3800 SERIES

Description	Cat. No.	Rating
For DIN-Rail Mounting, w/Terminal Block; 120V AC	3800-DIN	120V AC (VRMS)
Terminal Block; 120V AC	3800-OWM	120V AC (VRMS)
Pigtail Wire Leads, 6" long; 120V AC	3800-OEM	120V AC (VRMS)
For DIN-Rail Mounting, w/Terminal Block; 24V DC	3824-DIN	24V DC
Terminal Block; 24V DC	3824-OWM	24V DC
For DIN-Rail Mounting, w/Terminal Block; 240V AC	3840-DIN	240V AC (VRMS)
Terminal Block; 240V AC	3840-OWM	240V AC (VRMS)
Pigtail Wire Leads; 6" long; 240V AC	3840-OEM	240V AC (VRMS)
For DIN-Rail Mounting, w/Terminal Block; 48V DC	3848-DIN	48V DC
Terminal Block; 48V DC	3848-OWM	48V DC
Pigtail Wire Leads; 6" long; 48V DC	3848-OEM	48V DC



3800-DIN



3800-OEM

## Industrial Grade

### CLAMPING PERFORMANCE AND PERFORMANCE SPECIFICATION

Clamping Performance	Mode	Cat. No. 3800		Cat. No. 3840	
		Voltage	Current	Voltage	Current
UL 1449 (8x20μs)	L-L	-	-	800Vpk	48kApk
	L-N	500Vpk	24kApk	500Vpk	24kApk
	L-G	600Vpk	12kApk	600Vpk	24kApk
	N-G	600Vpk	12kApk	600Vpk	12kApk
Maximum Continuous Operating Voltage	L-L	-	-	260 V AC	-
	L-N	130 V AC	-	130 V AC	-
Strike Voltage Breakdown	Cat. No. 3824		Cat. No. 3848		
	100 V/μs	100 V/s	100 V/μs	100 V/s	
UL4978	33.1-38.2 V	18.2-19.2 V	51.8-71.8 V	24.0-28.0V	

Consult factory for detailed performance data for other models.



3840-DIN

### EQUIPMENT CABINET SURGE PROTECTIVE RECEPTACLES

Description	Cat. No.	Rating
Hospital Grade Duplex Receptacle 60Hz	3880-DIN	15A-120V AC
Single Convenience Outlet 60Hz	3801-DIN	15A-120V AC

### PERFORMANCE DATA (3880-DIN, 3801-DIN)

Clamping Voltage*	MCOV†	Max. Single Pulse Transient Current (8x20μs, Amps peak)	EMI-RFI Noise Rejection @50 ohms 5kHz-5MHz
400/400/400V pk	150Vrms	24kA(L-N), 12kA(L-G/N-G)	-35dB

\*UL 1449 Suppressed Voltage Ratings (SVR) Assigned at 6" length with 6k/500A per UL1449 (2nd Ed.)

†Maximum Continuous Operating Voltage



3880-DIN

#### TESTING AND CODE COMPLIANCE

- UL 1449 Listed (E146315/DC-E175161)
- CSA Certified (#LR-94773)
- Meets ANSI/IEEE C-62.41 & C-62.45 Categories A, B & C (B & C ONLY for Cat Nos. 3880-DIN & 3801-DIN)

#### MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C