

# Surge Protection

## Engineering Specification Submittal

**Model:** ZoneDefender PRO **Order Code:** 16204

### Applicable Standards

NEMA LSI - 1992	ANSI/IEEE C62.41
UL 1449	ANSI/IEEE C62.45
UL 1283	
UL1449 Subject Bulletin, TVSS for LPS	

### General Electrical

SPD Category	Service Entrance	
Nominal service voltage	277/480V	
Maximum continuous operating voltage	320V	
Remote indication	NO/NC/C 60W DC, 120VA AC, 3A max.	
Module diagnostics	Protection present	Green LED
	Fault warning	Red LED/Audible alarm
	On board monitoring	Fault monitor, audible alarm
Short Circuit Current Rating	200,000A RMS Symmetrical Rating	

### Maximum Surge Current

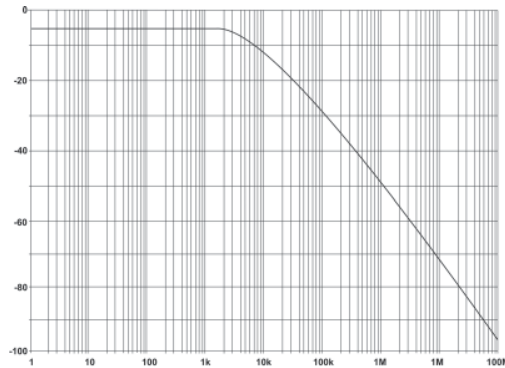
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
50,000A	50,000A	100,000A	50,000A	100,000A

### Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B3 (500A) Ringwave	B2 (2,000A)	B3 (3,000A)	C3 (10,000A)
	560V	780V	890V	1200V

### EMI - RFI Noise Reduction

55dB Max  
100kHz to 100MHz



### Agency Approvals

UL 1449  
UL 1283  
C-UL-US

Independent UL 1449 Suppressed Voltage Ratings			
L-N	L-G	L-L	N-G
800V	800V	1600V	800V

**Physical and General Data:**

Enclosure:	NEMA 1, 2, 12 and 13
Dimensions:	9.3" x 4.95" x 3" (236mm x 124mm x 76mm)
Weight:	Approx. 9 lbs.
Operating Environment:	-40°C to 85°C, 95% relative humidity (non-condensing)
Construction:	Ultra low impedance non-modular assembly.
Wire Leads:	#10 AWG wire size
Mounting:	Close nipple or surface mount

