



Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO **Order Code:** 16602

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	120/240V Hi-Leg Delta
Maximum continuous operating voltage	140V/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

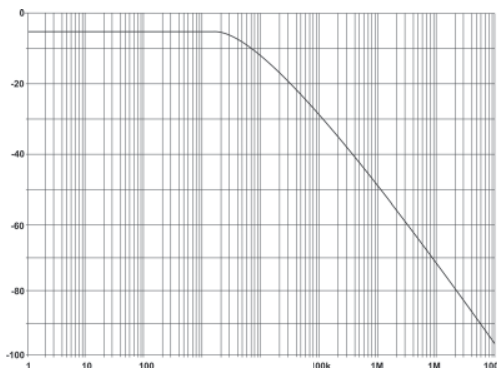
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
120,000A	120,000A	240,000A	120,000A	240,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B3 (500A) Ringwave	B2 (2,000A)	B3 (3,000A)	C3 (10,000A)
		380V/550V	375V/780V	416V/820V

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
330V/800V	400V/800V	800V/1200V	400V

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

