

Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO **Order Code:** 16101

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	120/208V	
Maximum continuous operating voltage	140V	
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

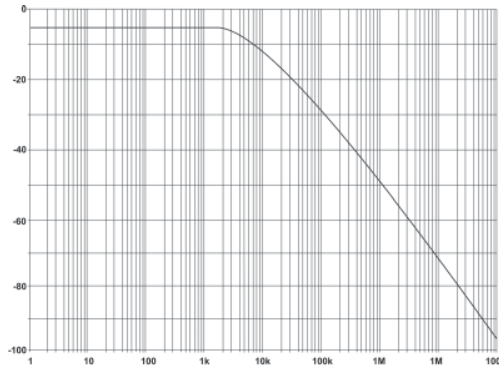
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
40,000A	40,000A	80,000A	40,000A	80,000A

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	390V	435V	730V

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
400V	400V	800V	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

