

Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO Order Code: 16102

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	Isolated, NO/NC contacts 125VAC rated 2A
Module diagnostics	Protection present
	Fault warning
	On board monitoring
	Green LED
	Red LED/Audible alarm
	Fault monitor, audible alarm
Short Circuit Current Rating	200,000A RMS Symmetrical Rating

Maximum Surge Current

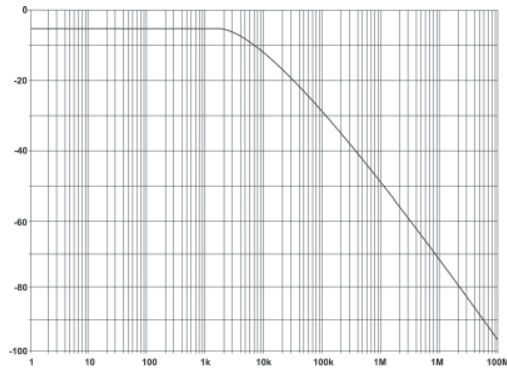
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
40,000A	40,000A	80,000A	40,000A	80,000A

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/550V	390V/830V	435V/890V	730V/1200V

EMI - RFI Noise Reduction

55dB Max
100kHz to 100MHz



Agency Approvals

UL 1449 2nd Edition
UL 1283
C-UL-US

Independent UL 1449 Suppressed Voltage Ratings			
L-N	L-G	L-L	N-G
400V/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

