

Surge Protection

Engineering Specification Submittal

Model: **ZoneDefender PRO** **Order Code: 16501**

Applicable Standards

NEMA LSI - 1992
 UL 1449
 UL 1283
 UL1449 Subject Bulletin, TVSS for LPS

ANSI/IEEE C62.41
 ANSI/IEEE C62.45

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

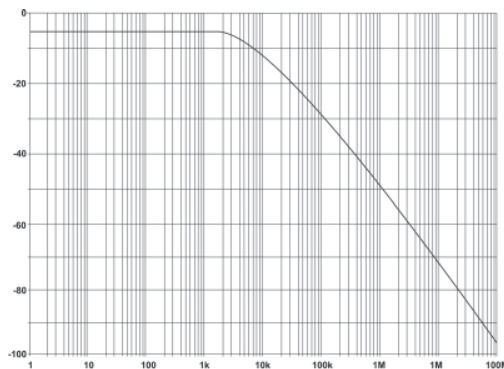
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
100,000A	100,000A	200,000A	100,000A	200,000A

Clamping Voltage

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

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	400V	700V	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

