

Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO **Order Code:** 16401

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

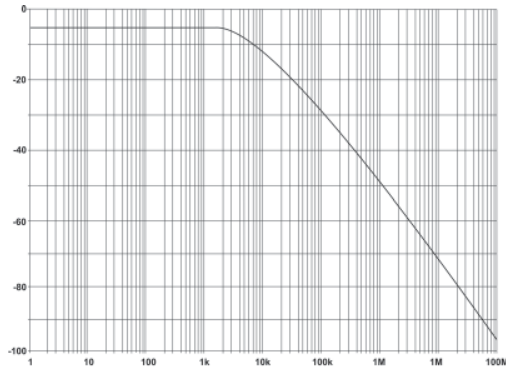
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
80,000A	80,000A	160,000A	80,000A	160,000A

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	628V

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

