

Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO Order Code: 16104

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	277/480V
Maximum continuous operating voltage	320V
Remote indication	Isolated, NO/NC contacts 125VAC rated 2A
Protection present	
Module diagnostics	Green LED
Fault warning	Red LED/Audible alarm
High voltage neutral to ground	Red LED/Audible alarm
On board monitoring	Fault monitor, audible alarm
Short Circuit Current Rating	200,000A RMS Symmetrical Rating

Maximum Surge Current

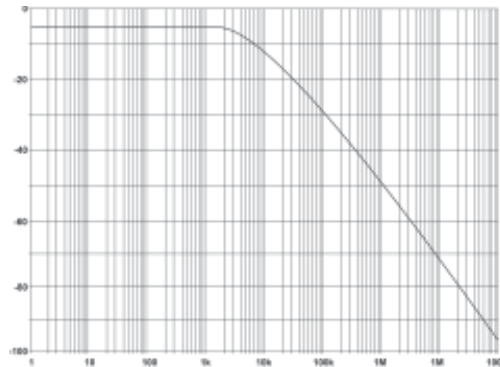
Maximum Surge Current in per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
40,000A	40,000A	80,000A	40,000A	80,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B3 (500A) Ringwave	B2 (2,000A)	B3 (3,000A)	C3 (10,000A)
	560V	780V	890V	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
800V	800V	1600V	800V

Physical and General Data:

Enclosure:	NEMA 4X
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

