

# Surge Protection

Engineering Specification Submittal

**Model: ZoneDefender PRO Order Code: 16604**

**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 277/480V  
 Maximum continuous operating voltage 320V  
 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**

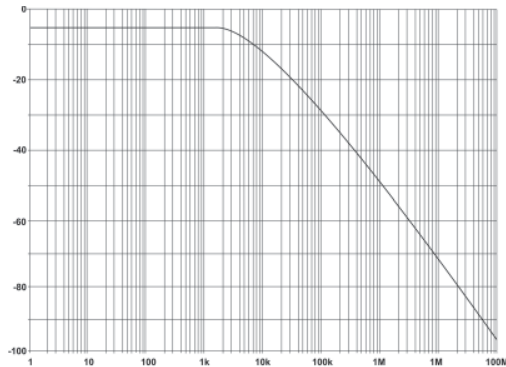
Maximum Surge Current per Protection Mode				Maximum Surge Current Per Phase
L-N	L-G	L-L	N-G	
120,000A	120,000A	240,000A	120,000A	240,000A

**Clamping Voltage**

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B3 (500A) Ringwave	B2 (2,000A)	B3 (3,000A)	C3 (10,000A)
		540V	780V	820V

**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
800V	800V	1600V	800V

## 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

