



Surge Protection

Engineering Specification Submittal

Model: ZoneMaster PRO **Order Code:** 15104

Applicable Standards

NEMA LSI - 1992
 UL 1449 3rd Edition
 UL 1283

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	Isolated, NO/NC contacts, 60W DC, 120VA AC, 3A rated
Module diagnostics	
Protection present	Green LED
Fault warning	Red LED
High voltage neutral to ground	Green & Red LED
On board monitoring	Surge counter, fault monitor, audible alarm

Optional Fused Disconnect 600VAC
 200,000A RMS Symmetrical Rating
 200,000 AIC Fusing

Maximum Surge Current

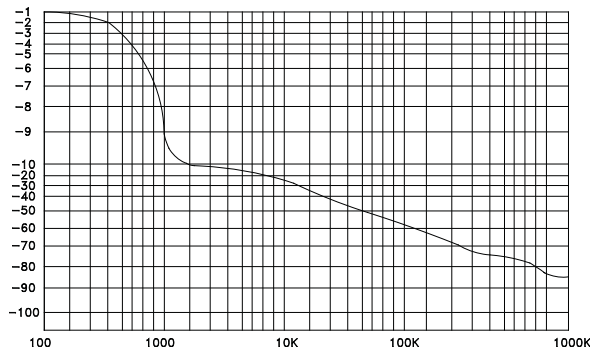
Maximum Surge Current in per Protection Mode				Maximum Surge Current
L-N	L-G	L-L	N-G	Per Phase
100,00A	100,000A	200,000A	200,000A	200,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B (3,000A)	C High (10,000A)
	776V	904V

EMI - RFI Noise Reduction

75dB Max
 100kHz to 100MHz



Agency Approvals

UL 1449 3rd Edition
 UL 1283
 C-UL-US

Independent UL 1449 Suppressed Voltage Ratings				UL 1449 Listed 3rd Edition VPR			
L-N	L-G	L-L	N-G	L-N	L-G	L-L	N-G
800V	800V	1500V	400V	1200V	1200V	2000V	1200V

Physical and General Data:

Enclosure:	NEMA 1 or NEMA 3R/4
Dimensions: (flush mount)	14" x 17.5" x 5.47" (36cm x 44.5cm x 13.9cm) 16" x 17.5" x 5.34" (41cm x 44.5cm x 13.7cm)
Weight:	Approx. 24.4 lbs. (11.2kg)
Operating Environment:	-40°C to 85°C, 95% relative humidity (non-condensing)
Construction:	Ultra low impedance assembly. Modules are bolted to a corrosion resistant, tin plated copper bus bar. No plug-in modules in the surge path.
Terminal Lugs:	#2 AWG max wire size
Mounting:	0.31" diameter holes (16.75" x 12.00") (enclosure can be easily drilled for cable access)
Module Replacement:	Remove two bolts, unplug remote indication connector and remove module. Estimated replacement time 2 minutes.
Module Dimensions:	1.25" x 5.3" x 2.5" (3.2cm x 13.5cm x 6.4cm)

