



Surge Protection

Engineering Specification Submittal

Model: ZoneMaster 400 All Mode

Order Code: 17404X

Applicable Standards

NEMA LSI - 1992
 UL 1449 3rd Edition
 UL 1283

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

General Electrical

SPD Category
 Nominal service voltage
 Maximum continuous operating voltage
 Remote indication

Service Entrance
 277/480V
 320V
 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

Maximum Surge Current

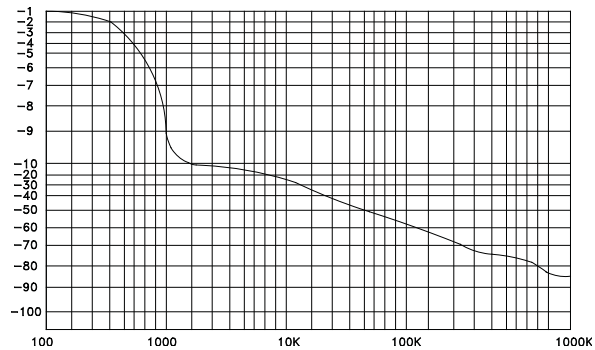
Maximum Surge Current in per Protection Mode				Maximum Surge Current
L-N	L-G	L-L	N-G	Per Phase
200,00A	200,000A	400,000A	200,000A	400,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B (500A) Ringwave	B (3,000A)	C High (10,000A)
	521V	776V	904V

EMI - RFI Noise Reduction

75dB Max
 100kHz to 100MHz



Agency Approvals

UL 1449 3rd Edition
 UL 1283
 CE
 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
700V	800V	1500V	400V	1200V	1200V	1800V	1200V

Physical and General Data:

- Enclosure:** NEMA 1, 2, 3, 3S, 4, 4X, 12 & 13 (IP66)
- Dimensions:** 12.4" x 13.7" x 7.3" (315mm x 347.7mm x 185mm)
- Weight:** Approx. 12.5lbs (3.7kg)
- 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)

