

Surge Protection

Engineering Specification Submittal

Model: ZoneDefender PRO Order Code: 16504

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 | 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

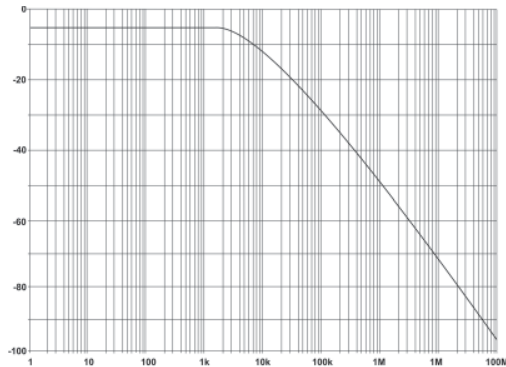
| Maximum Surge Current per Protection Mode | | | | Maximum Surge Current Per Phase |
|---|----------|----------|----------|------------------------------------|
| L-N | L-G | L-L | N-G | |
| 100,000A | 100,000A | 200,000A | 100,000A | 200,000A |

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 | 1180V |

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 3, 3R, 4, 4X |
| Dimensions: | 10.4" x 7.13" x 13.7" (264mm x 181mm x 348mm) |
| Weight: | Approx. 10 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: | Surface mount |

