Why Choose SSI Advantage® Series SPDs?

True-All Mode Protection Including Line-to-Line Components:

- **Per IEEE & NEMA Recommendations.**
- **10 Direct Modes of Protection in a 3 Phase Wye Device.**
- **Most Competitors: Reduced Mode Protection (7 Modes or Less).**
- **Adding L-L Components Reduces Stress & Extends Life of SPD.**
- **See Per Phase Formula on Page 2 to Determine Number of Actual Modes a SPD Protects.**

Component Level Fusing:

- **Individually Fused MOVs.**
- **No Electro-Mechanical Moving Parts. No Springs or Shutters.**

Over-Current Fusing:

- **Patented Circuit Board Mounted Cartridge Fusing – 200k AIC.**
- **Patented Circuitry Design.**

Highest Performing SPDs on The Market:

- **Lowest Let-Thru Voltages (MLV) of any Manufacturer.**
- **This Means SSI Offers the Best Protection for Your Equipment.**

Installer Friendly Design:

- **High Peak Surge Current Ratings in Compact Enclosures.**
- **Hybrid Patented Circuitry Means Smaller Devices.**
- **Smaller Devices Means Easier & Lower Cost Installation.**

More SPDs and Services Than Any Manufacturer:

- **Largest Product Offering Listed to ANSI/UL Standards.**
- **We Build Custom Devices for Industry, Military, Business etc.**
- **AC/DC Panel, Single Circuit, Data, Telecom, Coax etc.**

Completely Encapsulated Circuit Board:

- **We use an Engineered Compound. Not Sand. Not Air.**
- **Insulates Against Heat, Cold, Moisture, Vibration and Shock.**
- **Adds Dielectric Strength by Minimizing Expansion/Contraction.**
- **Allows Smaller Device Construction & Longer Life.**

Advanced SineWave Tracking Capability:

- **Frequency Response Circuitry™ Electronics Grade Protection.**
- **Transients are Suppressed at any Point on the SineWave.**
- **This is State-of-The-Art Protection for Sensitive Electronics.**
- **True Frequency Responsive Protection Others Don't Offer.**

25 Year Warranty:

- **Complete Device Replacement (Not Parts or Modules).**
- **All Hard-Wired Construction - No Screws, Plugs or Modules.**

Made in U.S.A.:

- **ISO 9001 Facility.**
- **Listed to ANSI/UL 1449 4th Edition Standards (UL & CSA listed).**

Per Phase Calculations:

This formula compares the "per mode" vs. "per phase" ratings for peak surge current.
Specifying 10 mode devices "per phase" provides protection that will outperform a 7 mode device.
Per Phase = kA per mode **X** number of modes, minus the N-G mode, divided by number of phases.

Example of an 80 kA Per Mode: 3 Phase WYE: 10 Mode Device:

80 kA per mode **X 10 modes** = 800
800 – 80 (N-G value) = 720
720 divided by 3 (# of phases) = **240 kA Per Phase** (Peak Surge Current Rating -10 Mode Device)

Example of an 80 kA Per Mode: 3 Phase WYE: 7 Mode Device:

80 kA per mode **X 7 modes** = 560
560 – 80 (N-G value) = 480
480 divided by 3 (# of phases) = **160 kA Per Phase** (Peak Surge Current Rating -7 Mode Device)

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