

Model SSS-120VAC-LL
Primary Single Phase 120VAC Line Protector

Site-Specific Solutions, Inc.



The Model SSS-120VAC-LL was designed as a Primary Stage protection device for a single 120 VAC line pair. This could be a floating 120 VAC line pair from an isolation transformer or a utility line pair with one side referenced to the Neutral/Ground point.

Highlights:

- High-Energy MOV Protection
- Light weight, high-strength Polycarbonate enclosure
- Clear cover for easy inspection
- 100% field repairable
- All components are UL Listed
- Operating Temperature: -40 to +70°C

Features:

- High-Energy MOV Primary Stage protection for a floating single phase 120 VAC feeder.
- All-Mode protection including both line-to-line and line-to-ground
- Access hole for ¾" Standard Chase or Conduit Nipple for easy mounting to a Service Entrance Panel

Also available in models to protect:

- 120/208 VAC 3-Phase WYE
- Single Phase Split 120/240VAC Feeders
- Single Phase Floating 120VAC Requiring All-Mode Protection
- Custom Units

Electrical Specifications:

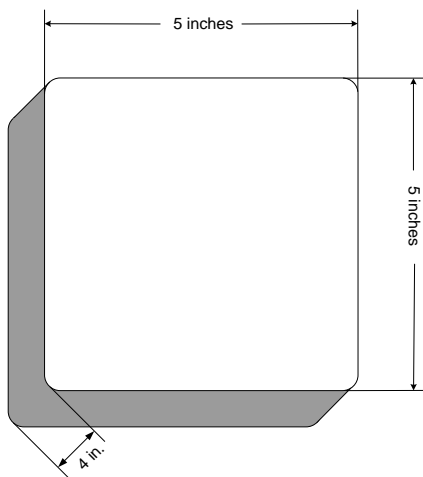
120 VAC (Line-to-Line) or (Line-to-Ground) Protection Levels

- **Maximum No Conduction AC Voltage = 140 Vrms**
- **Minimum 1mA Conduction Voltage = 198 Volts Peak**
- **Maximum single pulse energy = 600 Joules**
- **Maximum single pulse current = 70,000 Amperes**
- **Clamping level = 360 Volt peak @ 500 Amperes**

Mechanical and Temperature Specifications:

- **Length = 5 in.**
- **Width = 5 in.**
- **Depth = 4 in.**
- **Weight = 1 lb.**
- **Access hole for standard $\frac{3}{4}$ inch Chase Nipple or Box Coupler is provided for easy installation. The Chase Nipple or Coupler is not included.**
- **Operating Temperature Range: -40 to + 70°C**

Dimensions:



Functional Wiring Diagram:

