



Series Surge Protection Device (SSPD) for DC or AC power distribution lines is designed, fabricated and tested according to the IEC61644 and GB50343 international standards.

The product help prevent damages to sensitive electronic equipment due to transient surge voltage which is commonly induced by differences in ground potential, industrial noises and area lightning strikes. With simple connections, it can be easily installed on DC or AC power distribution lines to protect your equipment or system from permanent damages, momentarily interruptions or other hazards.

- Provides DC or AC power lines surge protection against transient voltage at the intersection of LPZ1 or LPZ2 with LPZ3 defined in GB50343 lightning protection zones.
- Core components are selected based on high reliability, multi-level protection and depressed residual.
- Low capacitance design, excellent transmission performance, fast response time and long life expectancy.
- Temperature controlled breaker to provide flammability resistance
- Suitable for 12V, 24V, 48V or 110V small to medium powered electronic systems such as DC distribution panels, electronic information systems, DC-powered equipment and so on.

Technical Specifications

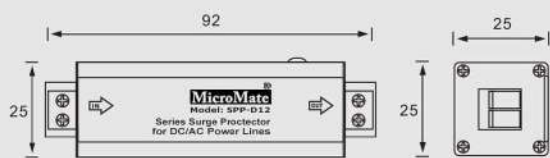
MODEL	SSP-D12	SSP-D24	SSP-D48	SSP-D110
Protection Class	Type D			
Operating Voltage (Un)	12V	24V	48V	110V
Max. Continuous Operating Voltage (Uc)	18V	33V	65V	150V
Max. Continuous Operating Current (Ic)	16A			
Nominal Discharge Current (8/20µs) (In)	5KA			
Max. Discharge Current (8/20µs) (Imax.)	10KA			
Voltage Protection Level (Up)	≤80V	≤120V	≤200V	≤300V
Response Time	≤20ns			
Leakage Current	≤30uA			
Protection Mode	1-PE, 2-PE			
Connection Cable Size	Input / Output ≥ 2.5mm ² ; Ground ≥ 6mm ²			
Working Environment	Temperature -40°C +80°C; Relative Humidity<95%			
Dimension (mm)	83×33×33			
Weight	0.09KG			

Note: Due to the policy of continued product improvement, specifications are subject to change without notice.

Product Installation

1. The lightning protection device is in series installed between power lines and the equipment protected, the output termination is connected with the equipment protected.
2. All wires must be solid and connect by electric. Grounding line: $BVR \geq 2.5\text{mm}^2$.
3. Lightning proof grounding should be consistent with lightning protection regulatory requirements; grounding wire should be as thick and short as possible, resistance should be less than $4\ \Omega$.

Dimensions



Unit: mm

Installation Diagram

