



2-Pole Din-Rail Series Surge Protector for RS232 DC Communication Lines

The 2-Pole Din-Rail Series Surge Protection Device (SSPD) for RS232 DC communication lines is designed, fabricated and tested according to the IEC61644 and GB50343 international standards.

The product helps 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 communication lines to protect your equipment or system from permanent damages, momentarily interruptions or other hazards.

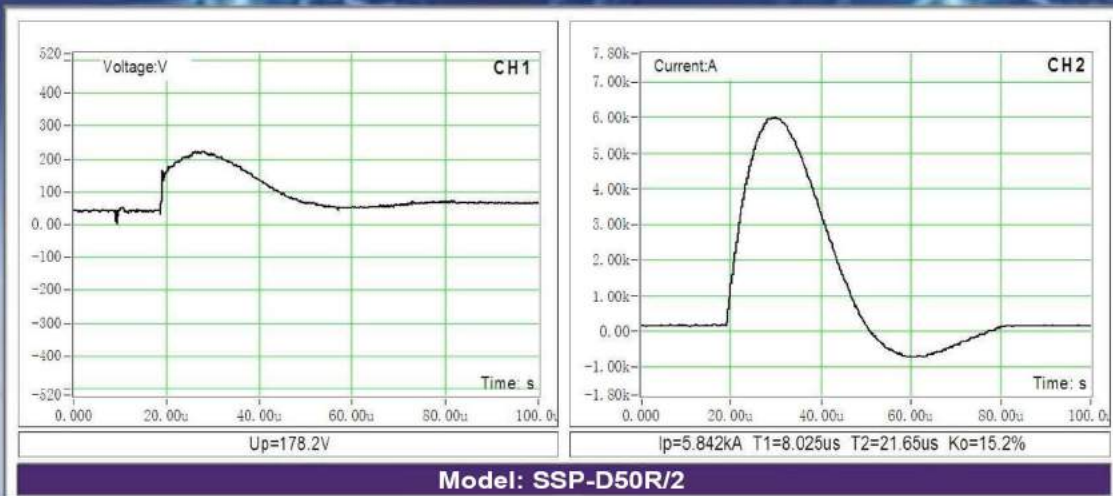
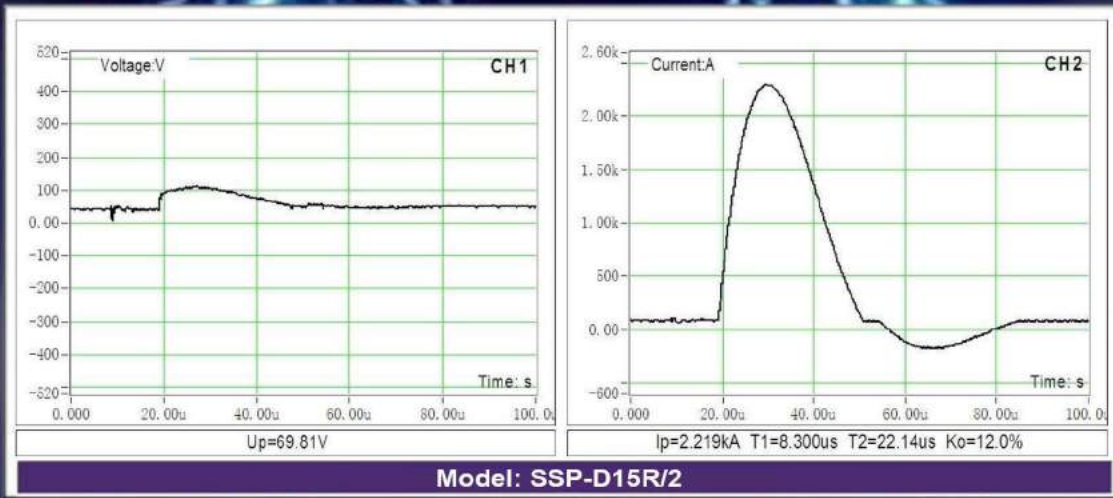
- Provides DC bus bar lines surge protection against transient voltage at the intersection of LPZ2 and LPZ3 as defined in GB50343 lightning protection zones.
- Core components are selected based on high reliability, multi-level protection and depressed residual.
- Low capacitance design, excellent transmission performance, fast response time and long life expectancy.
- Din-rail mounting with flame retardant materials, dust-proof and corrosion-proof design.
- Temperature controlled breaker with over-current protection to provide flammability resistance.
- Suitable for 15V or 50V DC bus bar microwave communication systems, control bus and so on.
- Customization to other operating voltages is also available.

Technical Specifications

MODEL	SSP-D15R/2	SSP-D50R/2
Protection Class	Type D	
Operating Voltage (Un)	15V	50V
Max. Continuous Operating Voltage (Uc)	20V	60V
Nominal Continuous Operating Current (Ic)	4A	
Max. Instantaneous Operating Current (Iin)	8A	
Nominal Discharge Current (8/20µs) (In)	5KA	
Max. Discharge Current (8/20µs) (Imax.)	10KA	
Voltage Protection Level (Up)	≤120V	≤240V
Response Time	≤25ns	
Leakage Current	≤20uA	
Protection Mode	Line-to-Line, Line-to-Earth	
Protected Core	2 Poles	
Line Resistance	≤1Ω	
Connection Cable Size	Input / Output ≥ 1.0mm ² ; Ground ≥ 2.5mm ²	
Working Environment	Temperature -40°C +70°C; Relative Humidity <95%	
Dimension (WxHxD)	90 × 18 × 60 mm	
Weight	0.13KG	

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

Typical Test Results



Note: The typical test results are obtained in laboratory environment and for reference only. The actual results are subject to ambient temperature, altitudes and other environmental factors.