

1. General

The **JL7UZ** series DC surge protectors are specially designed to safeguard DC power supply systems and electrical equipment from damage caused by lightning surges and transient overvoltage, ensuring the protection of both devices and users. They are widely applied in DC power protection across various fields, including photovoltaic power generation systems, mobile communication base stations, microwave communication stations, telecommunication rooms, industrial facilities, civil aviation, finance, securities, and other DC power supply applications.





2. Specifications

Standard		
Poles		3P 2P
Rated Operating Voltage		DC500V 600V 800V 1000V 1200V 1500V
Maximum Continuous Operating Voltage (Uc(L-N))		DC1500V
Maximum Discharge Current (Imax8/20μs)		40kA
Rated Discharge Current (Ln(L-N)(8/20μs))		20kA
Voltage Protection Level (Up(L-N)(8/20μs))		≤3.8kV
Recommended Series Overcurrent Protection Device		63A/25kA
Response Time (tA(L-N))		≤25ns
Altitude		≤2000m
Installation Conductor Cross-Section		4-35mm ²
Installation Method		35mm Standard Rail
Operating Environment		-40°C~+70°C
Enclosure Material		Plastic, UL94 V-0 compliant
Protection Level		IP20
Remote Signal Alarm		Normally Open or Closed Terminal (optional)
Remote Signal Interface Wire Capacity		Maximum 1.5mm ²
mm ²	Terminal size top / bottom for cable	25
AWG		18-3
mm ²	Terminal size top/ bottom for busbar	25
AWG		18-3
N*m	Tightening torque	2.5
In-lbs		18

3. Dimensions