

DC Surge Protective Device

Industry: PV Solar, Data Center, Railway, Seafaring and New energy etc.

Function: Lighting and Surge Protection

Rated Voltage: up to 1200Vdc

Type: T1+T2, T2

Standard: IEC 61643-31

Low-voltage surge protective devices-Part 31: Requirements and tests methods for SPDs for photovoltaic applications.



Features

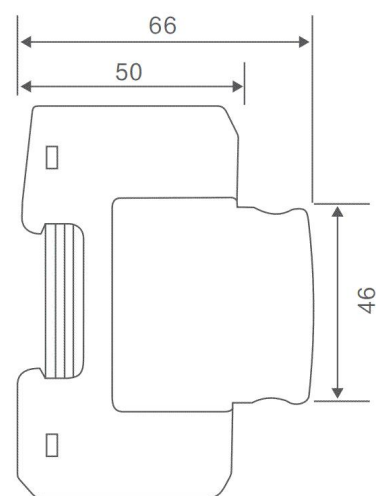
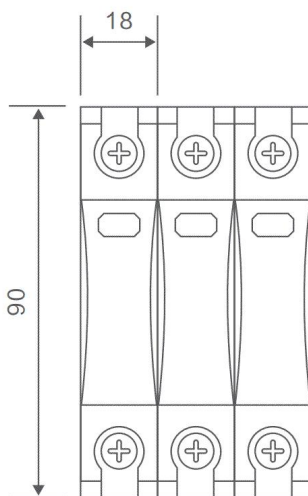
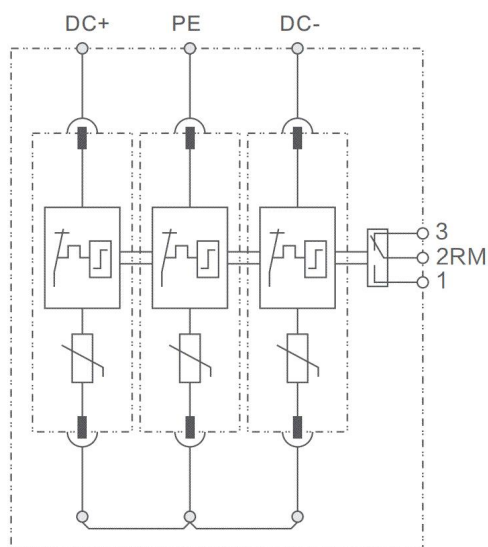
Pluggable module, easy installation & maintenance

Double thermal disconnection devices, double safety

Remote signal contact for option

5 years warranty

Wiring & Dimension



Main Ratings according to IEC 61643-31

Type	T1&T2	T2
Max PV Voltage (DC+ → DC-) (U_{cpv})	≤1500V	≤1500V
Max PV Voltage (DC+/DC-→PE) (U_{cpv})	≤7250V	
Short-circuit Current Rating (I_{scpv})	10 kA	10kA
Total Discharge Current (8/20μs) (DC+/DC-→PE) (I_{total})	30kA	
Total Discharge Current (10/350μs) (DC+/DC-→PE) (I_{total})	12.5kA	
Max. Discharge Current (DC+/DC-→PE) (I_{max})		40kA
Nominal Discharge Current (8/20μs) (I_n)	15kA	20kA
Lightning Impulse Current (10/350μs) (DC+/DC-→PE) (I_{total})	6.25kA	
Voltage Protection Level (DC+/DC-→PE) (U_p)	2.5kV	
Voltage Protection Level (DC+→/DC-) (U_p)	4.75kV	
Voltage Protection Level Up		6kV
Response Time (T_A)	≤25ns	≤25ns
Operating Temperature	-40°C ~ 85°C	
Operating State/Fault Indication	Green/Red	
Degree of Protection	IP20	
Mounting	35mm DIN Rail	