BUD-S1000
PV DC Surge Protection Device

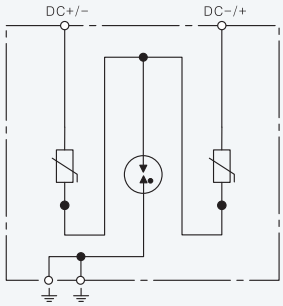
Application

ZBENY Developed and manufactured the T1+T2 complex surge protector, in line with IEC/EN 616143-31, with a maximum continuous operating voltage of 1000V; High pressure Sensitive resistor, nanosecond response speed, high efficiency to prevent lightning voltage damage to photovoltaic power generation system.

Parameter

Type	BUD-S1000
Test standard	IEC/EN 61643-31
EN Type	T1+T2
Max.PV voltage(DC+→DC-)(U_{CPV})	≤1000V
Max.PV voltage(DC+/DC-→PE)(U_{CPV})	≤725V
Short-circuit current rating(I_{SCPV})	2kA
Total discharge current (8/20μs) (DC+/DC-→PE) (I_{total})	30kA
Total discharge current (10/350μs) (DC+/DC-→PE) (I_{total})	12.5kA
Nominal discharge current(8/20μs)(I_n)	15kA
Lightning impulse current (10/350μs) (DC+/DC-→PE) (I_{imp})	6.25kA
Voltage protection level (DC+/DC-→PE) (U_p)	2.5kV
Voltage protection level(DC+→DC-) (U_p)	4.75kV
Response time(t_A)	≤25ns
Operating temperature range(T_U)	-40°C~+80°C
Operating state/fault indication	green/red
Number of ports	1
Cross-sectional area(min.)	1.5mm² solid/ flexible
Cross-sectional area(max.)	35mm² stranded/25mm² flexible
For mounting on	TH35-7.5/DIN35
Place of installation	indoor installation
Degree of protection	IP20
Approvals	TUV,CE

Principal Drawing



Dimensions(mm)