



UTICA® SPD-1000VDC Lightning Surge Protection Device

UTICA® surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system). These units must be installed in parallel on the DC networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the DC power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long. High energy MOV's equipped with specific thermal disconnectors and related failure indicators.



High Efficiency

Quality and specification approved equipment and components



Known worldwide and certified

VDE(IEC 61215 Ed. 2, EC 61730-1 Ed.1 and IEC 61730-2 Ed.1) *If applicable



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Product Parameter

PV DC-specific (IEC 61643-1/EN 61643-11)	
Pole	2P
Electrical Parameter	
Classified test	II
Uoc max (V DC)	1000
Uc (V DC)	1000
In(8/20)us (kA)	20
Imax(8/20)us (kA)	40
Up (kV)	3.2
Remote control and indication	
Indication window	
Plug-in Module	
Remote signal contact	
maximum working voltage(V)	250 AC/30V DC
maximum working current (A) 1A(250V/ AC)	1A(250V/ AC)
1A (30V DC)	1A(30V/ AC)
Wiring & installation	
Hard wire	4~25
Flexible wire	4~16
Stripping length(mm)	10
Terminal screw	M5
Torque(Nm) Main circuit	3.5
Torque(Nm) Remote signal contact	0.25
Protection class All profile	IP40
Protection class Connection port	IP20
Installation environment	No obvious shock and vibration
Altitude (m)	≤ 2000
Working Temperature	-3.0~+70
Relative humidity	30%~90%
How to Install	Installed with H35-7.5/DIN35 steel mounting rail
Size(mm)W	36
Size(mm)H	90
Size(mm)L	67.6
Weight (kg)	0.24