Solar Energy
Accessories

SUP2-PV Series Surge Protector

SUP2-PV 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), ely if the line routing is external and long.
High energy MOVs equipped with specific thermal disconnectors and related failure indicators.



CE TUV ROHS

Specifications

SUP2-PV series surge protector		SUP2-PV			
PV DC-Specific(IEC 66143-1/EN 61643-11)					
Pole		2P	2P	2P	2P
Electrical Parameter					
Classified Test		II	II	II	II
Un(VDC)		48	110	220	360
Uc(V DC)		65	150	300	500
In(8/20us(kA)		20	20	20	20
Imax(8/20us(kA)		40	40	40	40
Up(kV)		≤0.8	≤1.0	≤2.0	≤2.6
Remote Control and indication					
Indication Window					
Plug-in module					
Remote signal contact					
Remote signal contact	maximum working voltage(V)	250 AC/30V DC	250 AC/30V DC	250 AC/30V DC	250 AC/30V DC
	maximum working current(A) 1A(250V/AC)	1A(250V/AC)	1A(250V/AC)	1A(250V/AC)	1A(250V/AC)
	1A(30V DC)	1A(30V DC)	1A(30V DC)	1A(30V DC)	1A(30V DC)
Wiring& Installation					
Wiring capacity	Hard Wire	4～25	4～25	4～25	4～25
	Flexible Wire	4～16	4～16	4～16	4～16
Stripping length		10	10	10	10
Terminal screw		M5	M5	M5	M5
Torque(Nm)	Main Circuit	3.5	3.5	3.5	3.5
	Remote signal contact	0.25	0.25	0.25	0.25
Protection class	All profile	IP40	IP40	IP40	IP40
	Connection port	IP20	IP20	IP20	IP20
Installation environment		No obvious shock and vibration			
Altitude(m)		≤2000	≤2000	≤2000	≤2000
Working Temperature		- 40°C～+ 80°C	- 40°C～+ 80°C	- 40°C～+ 80°C	- 40°C～+ 80°C
Relative humidity		30%～90%	30%～90%	30%～90%	30%～90%
How to Install		Installed with H35-7.5/DIN35 stell mounting rail			
Size(mm)(W×H×L)	W	36	36	36	36
	H	90	90	90	90
	L	67.6	67.6	67.6	67.6
Weight(kg)		0.24	0.24	0.24	0.24