

## Application

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), eiy if the line routing is external end long.

High energy MOVs equipped with specific thermal disconnectors and related failure indicators.

## Specifications

SUP2-PV series surge protector		SUP2-PV	
PV DC-specific (IEC 66143-1/EN 61643-11)			
Pole		2P	3P
Electrical Parameter			
Classified test		II	II
Uoc max (V DC)		500	900
Uc (V DC)		500	1000
In(8/20)us (kA)		20	20
I <sub>max</sub> (8/20)us (kA)		40	40
Up (kV)		2.0	3.8
Remote control and indication			
Indication window			
Plug-in Module:			
Remote signal contact			
Remote signal contact	maximum working voltage(V)	250 AC/30V DC	250AC/30V DC
	maximum working current (A) 1A(250V/ AC)	1A(250V/ AC)	1A(250V/ AC)
	1A (30V DC)	1A(30V/ AC)	1A(30V/ AC)
Wiring & installation			
Wiring capacity(mm <sup>2</sup> )	Hard wire	4~25	4~25
	Flexible wire	4~16	4~16
Stripping length(mm)		10	10
Terminal screw		M5	M5
Torque(Nm)	Main circuit	3.5	3.5
	Remote signal contact	0.25	0.25
Protection class	All profile	IP40	IP40
	Connection port	IP20	IP20
Installation environment		No obvious shock and vibration	
Altitude (m)		≤2000	≤2000
Working Temperature		-3.0~+70	-3.0~+70
Relative humidity		30%~90%	30%~90%
How to Install		Installed with H35-7.5/DIN35 steel mounting rail	
Size(mm)(WxHxL)	W	36	54
	H	90	90
	L	67.6	67.6
Weight (kg)		0.24	0.36