

MODEL AND SIGNIFICANCE

S	UP1	H	220	2	PV	275
Enterprise Code	Design Number	High Voltage	Rated Voltage	Pole	PV system	Rated Operational Voltage

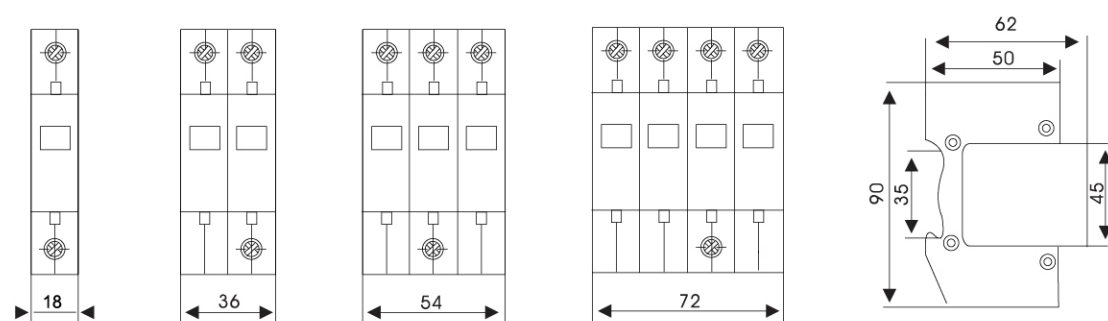
GENERAL PARAMETERS

- Suitable for protection of electrical installations against [transient overvoltage] and [short-current] [lightning strikes] [over-heat]
- Plug-in module design
- Indication window and optional remote-signaling contact helps users to know the status of device

INSTALLATION PRECAUTIONS

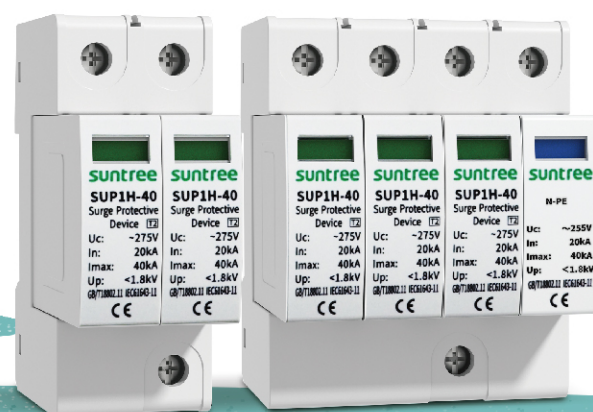
- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction;
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place

DIMENSIONS (MM)



AC SURGE PROTECTOR

● SUP1-40/220VAC/2P



ELECTRICAL PARAMETERS

Product Model	SUP1H-40			
Poles	1P/2P/1P+N/3P/3P+N/4P			
Rated Operational Voltage Un (V)	230/480 (Customized)			
Nominal discharge In (8/20μs)kA	5	10	20	30
Max. Discharge Current Imax (8/20μs)kA	10	20	40	65
Max. Continuous Working Voltage Uc (V)	150 220 275 320 385 420 480	150 220 275 320 385 420 480	150 220 275 320 385 420 480	150 220 275 320 385 420 480
Protection Level Up (kV)	<1.2 <1.2 <1.4 <1.4 <1.4 <1.4 <2.4 <1.2 <1.2 <1.6 <1.6 <1.6 <1.6 <2.4 <1.2 <1.2 <1.8 <1.8 <1.8 <1.8 <2.4 <1.2 <1.2 <2.0 <2.0 <2.0 <2.0 <2.4			
Back-up Fuse	40AgL	40AgL	63AgL	80AgL
Response Time (ns)	<20			
Residual Current 75% Uc 1mA	<20pA			
Test Classification	Class II			
Protection Level	IP20			
Ambient Air Temperature (°C)	-40°C~ +80°C			
Insulating Shell Material	PBT/PA66			
Flame Resistance Level	V0			
Mounting	35 mm device rail (DIN)			
Shell Color	Red			
Current for Back up Fuse or Breaker	40~80			
Terminal Capacity (mm²)	Phase line/ Zero line			4~16 Hard Wire
	Earth line			4~16 Double Color
Test Standard	GB18802.1GB18802.21IEC61643-1IEC61643-21 UL1449 ed.2			

MODEL AND SIGNIFICANCE

S	UP	2				
Enterprise Code	Design Number	High Voltage	Rated Voltage	Pole	PV system	Rated Operational Voltage

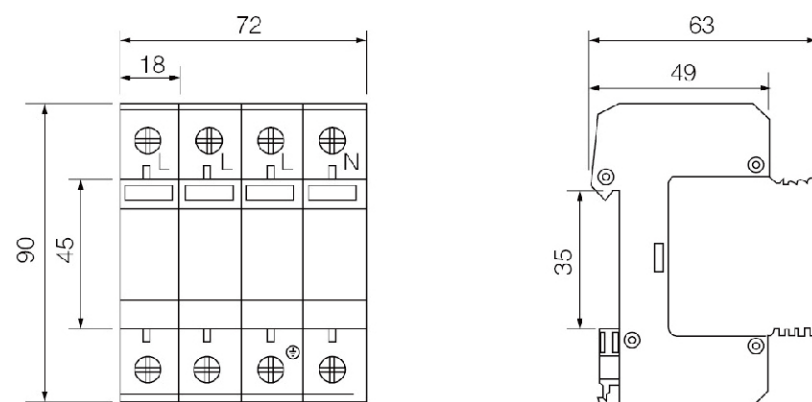
FUNCTION

- Failure release device: The SPD module is equipped with a failure release device. When the protector fails due to overheating or breakdown, The failure release device can automatically disengage it from the grid and give an indication signal.
- Signal Window: When the protector is normal , the signal light shows green, and when it fails, the signal light shows red.
- Remote contact: SPD can be equipped with remote contact. If one or more modules of the protector fail, the contact will close, sending fault information.

PRODUCT BENEFITS

- The voltage continuously applied between the two terminals of the surge protector shall not be greater than the maximum continuous voltage Uc of the surge protector;
- The voltage protection level Up of the surge protector should be less than the shock tolerance limit of the protected equipment;
- Select specifications according to different grounding systems and protection modes.

DIMENSIONS (mm)



AC SURGE PROTECTOR

● SUP2-T1/T2



ELECTRICAL PARAMETERS

Product Model		SUP2-T1/T2							
Poles		1P/2P/1P+N/3P/3P+N/4P							
Rated Operational Voltage Un (V)		230/480 (Customized)							
Nominal discharge In (8/20μs)kA		20				30			
Max. Discharge Current Imax (8/20μs)kA		40				65			
Max. Impulse Current Iimp (10/350us) kA		7KA				7KA			
Max. Continuous Working Voltage Uc (V)		275	320	385	420	275	320	385	420
Protection Level Up (kV)		<2.0	<2.0	<2.0	<2.0	<2.2	<2.2	<2.2	<2.2
Back-up Fuse		80AgL				125AgL			
Response Time (ns)		<20							
Residual Current 75% Uc 1mA		<20uA							
Test Classification		II级							
Protection Level		IP20							
Ambient Air Temperature (℃)		-40℃~+80℃							
Insulating Shell Material		PBT/PA66							
Flame Resistance Level		V0							
Mounting		35 mm device rail (DIN)							
Shell Color		White							
Current for Back up Fuse or Breaker		40~80							
Terminal Capacity (mm²)	Phase line/Zero line	1.5-35 Hard Wire							
	Earth line	1.5-35 Double Color							