

MODEL AND SIGNIFICANCE

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

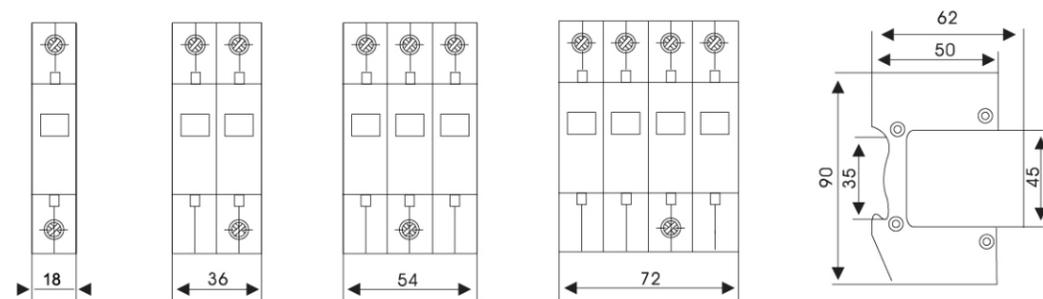
GENERAL PARAMETERS

- 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

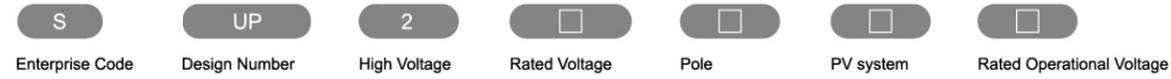
● SUP1-40/220VAC/2P



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
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
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 (mm ²)	Phase line/Zero line																				
	4~16 Hard Wire																				
Terminal Capacity (mm ²)	Earth line																				
	4~16 Double Color																				
Test Standard	GB18802.1GB18802.21IEC61643-1IEC61643-21 UL1449 ed.2																				

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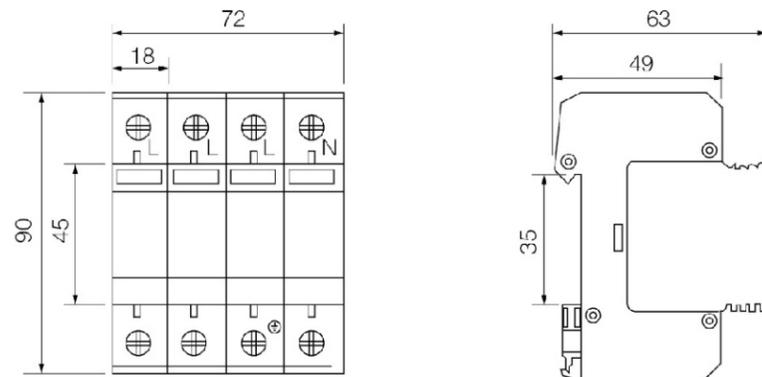
FUNCTION

- 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 U_c of the surge protector;
- The voltage protection level U_p 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 U_n (V)	230/480 (Customized)							
Nominal discharge I_n (8/20 μ s)kA	20				30			
Max. Discharge Current I_{max} (8/20 μ s)kA	40				65			
Max. Impulse Current I_{imp} (10/350 μ s) kA	7KA				7KA			
Max. Continuous Working Voltage U_c (V)	275	320	385	420	275	320	385	420
Protection Level U_p (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% U_c 1mA	<20 μ A							
Test Classification	II级							
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	White							
Current for Back up Fuse or Breaker	40-80							
Terminal Capacity (mm ²)	Phase line/Zero line				1.5-35 Hard Wire			
	Earth line				1.5-35 Double Color			