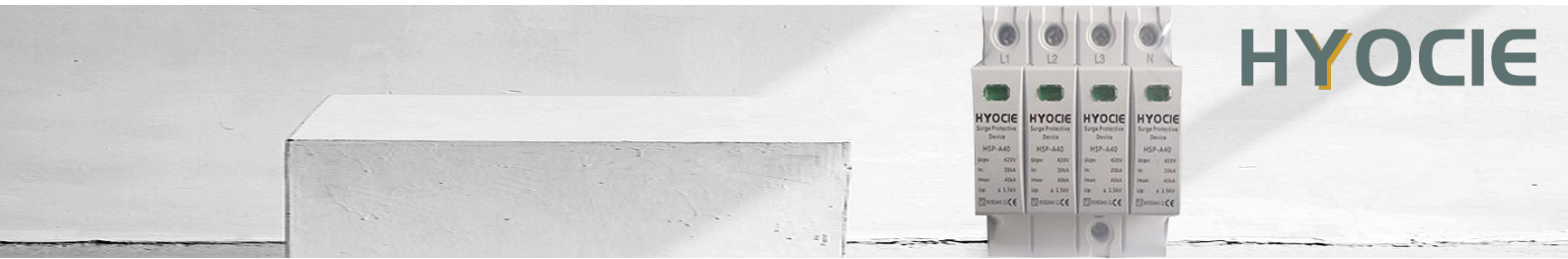


AC Surge Protective Device



HSP-A

Type 2 AC SPD

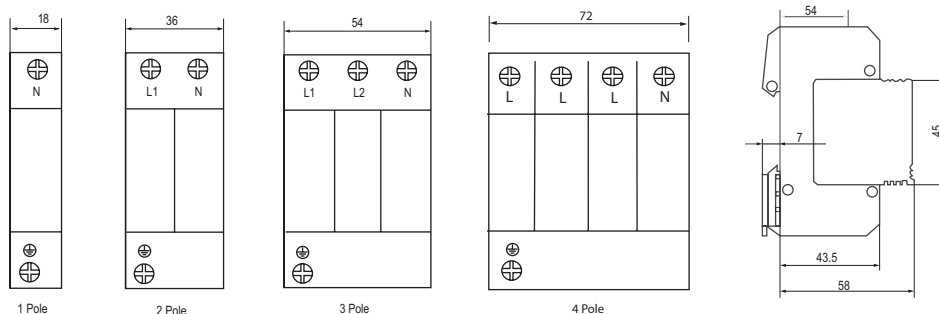
AC SPD is suitable for TN-S, TN-C-S, TT, IT, etc., power supply system of AC 50/60Hz, <380V, installed on the joint of LPZ1 or LPZ2 and LPZ3. It's designed according to IEC 61643-1, GB188 02.1, it adopts 35mm standard rail, there is a failure release mounted on the module of surge protection device, when the SPD fails in the breakdown for overheating and over-current, the failure release will help electric equipment separate from the power supply system and give the indication signal, green means normal, red means abnormal, it also could be replaced for the module when has operating voltage.

HSP-A					
Test Standard	IEC61643-11				
Pole	1P	2P	3P	4P	
Rated Operating Voltage Un	275V	275V	385V	420V	
Maximum Continuous Operating Voltage Uc	≤1.5	≤1.5	≤1.5	≤1.5	
Nominal Discharge Current In μs KA	5-10	20-40	30-60	40-50	60-100
Maximum Discharge Current Imax μs KA					
Response Time (ns)	<25				
Operating Environment (centigrade)	-40°C ~ +85°C				
Max Connection Line	35mm ² hard wire/35mm ² strand wire copper line				
Recommended Connection Line	16mm ² hard wire/25mm ² strand wire copper line				
Installation	Standard Rail 35mm				

-Consult sales for other parameters, please.

Features
Inside over-current and over-heat protection, temperature control open circuit.
Module design, convenient installation, could be replaced online.
Time of response <25ns
The color of visible window shows operating status

Dimensions:



AC Surge Protective Device



HSP-A

Type 1+2 AC SPD

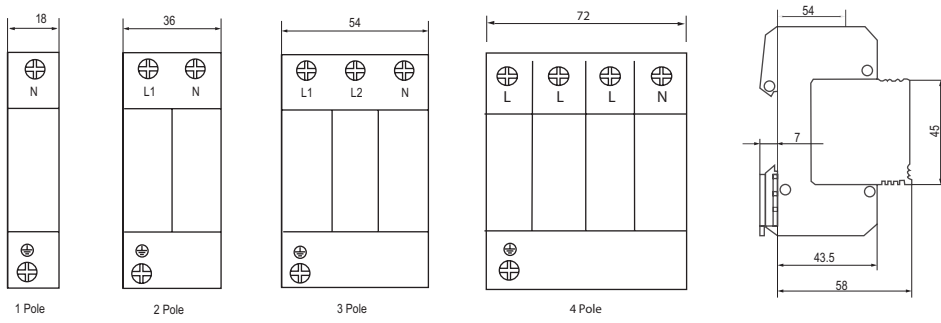
This type of DIN-Rail AC Type 1+2 surge protection device SPD can protect all electrical installations against lightning strikes by discharging the current created by a lightning surge and keeping it from spreading to the equipment.

HSP-A	
Protection mode	L-N/L-PE/N-PE
Number of protected lines	1-4
Test class	I-II
Integrated thermal disconnecter	Yes
End of life indicator	Yes
Safety reserve	Yes
Nominal discharge current:In (8/20)	20KA
Maximal discharge current:Imax (8/20)	40KA
Impulse current:Iimp (10/350)	7KA
maximal continuous operating voltage:Uc	275/385/420V
Type of current/frequency	a.c.50/60Hz
Voltage protection level at In:Up(L-PE)	1.2KV
Voltage protection level at In:Up(L-N)	/
Voltage protection level at In:Up(N-PE)	/
Short circuit withstand:ISCCR	100KA
Total current	20KA
Follow current interrupted	/
Ground residual current	< 350
TOV withstand(L-N:5s/N-PE:200 ms)	337
Voltage Combination Wave	20
Curve B or C Circuit breaker	≤125
gG-gL fuse	≤160
Comments	20
Wire range:Solid wire	2.5-25
Wire range:Stranded wire	12.5
Stripping length	Per 1
Maximal altitude	2000
Response time	12.5
Fire resistance according to UL 94	< V-0

-Consult sales for other parameters, please.

Features	
Patented QuickSafe ® technology	
Safety Reserve system	
Din rail mounting	
Pluggable	
Improved safety	
Back up protection up to 160 A Fuse or 125 A MCB	

Dimensions:



Wiring Diagram

