

Surge protector

Surge protector series

Quick respond! Instant lightning protection! Fault early warning

Large discharge energy, no leakage current, no continuous flow, modular installation, high safety factor.

Long service life, strong environmental resistance, voltage protection level is less than 2500V. The NALD series primary surge protector is designed according to the IEC and GB standards. Apply to power supply system of the first level of surge protection, the product is the standard 35mm guide rail type way to install.

NALD series T1 surge protector has high lightning discharge capacity, single. The maximum shock current of the module can reach 50 kA (10 / 350 μ s), which can prevent direct lightning strikes. The power supply of the equipment system in areas with higher risk of lightning strike. Stage surge protection, which can be combined in single-phase / three-phase power supply lines. High efficiency 1 energy saving 1 precision 1 low carbon

-Lightning protection level (T1)

Remote signal or communication remote alarm

Number of poles: 1P, 2P, 3P, 4P

Nominal discharge current

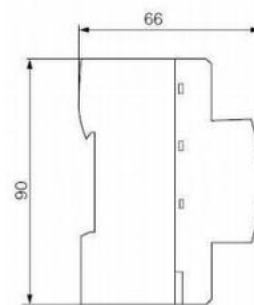
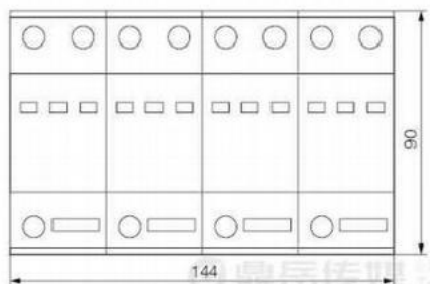
-Maximum discharge current

Surge protector

Power surge protector Level 1 Model: NALD-A12.5/4P

Model	NALD-A12.5	NALD-A15	NALD-A25	NALD-A50
SPD port	One port	One port	One port	One port
SPD category	Voltage limiting type/voltage switch type	Voltage limiting type/voltage switch type	Voltage switch type	Voltage switch type
Test category	Class 1 test	Class 1 test	Class 1 test	Class 1 test
Rated voltage Un	220VAC50~60Hz	220VAC50~60Hz	220VAC50~60Hz	220VAC50~60Hz
Maximum continuous operating voltage U _c (AC)	275V、320V、385V、420V、440V	275V、320V、385V、420V、440V	275V、320V、385V、420V、440V	275V、320V、385V、420V、440V
Insulation resistance	>100MΩ	>100MΩ	>100MΩ	>100MΩ
Impulse discharge current I _{imp} (10/350μs)	12.5kA	15kA	25kA	50kA
Protection level U _p (1.2/50μs)	2.2kV	2.2kV	2.5kV	2.8kV
Response time t _{res}	≤100ns	≤100ns	≤100ns	≤100ns
Size mm	144×90×66	144×90×66	144×90×66	144×90×66
Installation wire cross-sectional area mm ²	6~25	6~25	6~25	6~25
Installation	35mm standard rail (EN50022/DIN46277-3)			
Working environment temperature °C	-40~85			
Shell material	Plastic, compliant with UL94 V-0			
Protection level	IP20			

Appearance and installation ↓↓



NAL-40C series surge protector is suitable for 1T, TT, TN-C, TNS, TN, TN-C-S, and other power supply systems of low-voltage AC distribution system to protect the influence of indirect lightning and direct lightning or other instantaneous overvoltage surge. Class 1 surge protector per IEC61643-1; 1998-02 standard. Class B surge protector. This product has a common mode (MC) and differential mode (MD) protection mode.

This product is compliant with the GB/T18802.1/IEC61643-1

Remote alarm with remote signal

-Maximum continuous working voltage $U_c(V)$ -2P refers to single phase, 4P refers to three phase

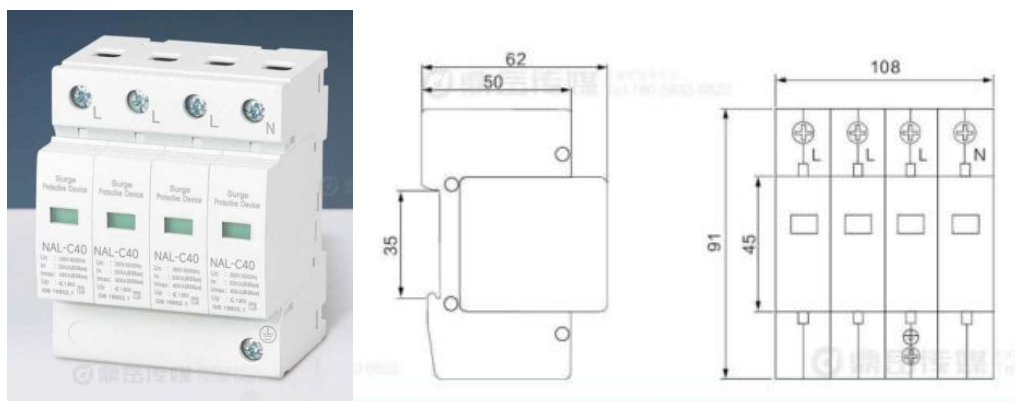
Maximum discharge current

-Surge protector

Surge protector Level 2 Model:: NAL-C40/P

Specifications	NAL-80				NAL-100	
Maximum continuous working voltage Uc (VAC)	420	385	320	275	385	420
Voltage protection level Up (kV)	2.5	2.3	2.0	1.8	2.5	3.2
Maximum discharge current (8/20μs) max (kA)	80				60	
Nominal discharge current (8/20μs) In(kA)	40				100	
Response time ns	<25					
Protection level	IP20					
Failure indication	Aging failure: Green for normal, Red for failure					
Purpose	Secondary protection for incoming lines					
Remote signal function	Available as an additional item					
Note	Other maximum continuous working voltages Uc can be customized					

Appearance and installation↓↓



Surge protector, level 2, model: NAL-C40/2P

Surge protector, level 2, model: NAL-B80/4P