

Shanghai Liangxin Electrical Co., Ltd.

NDU1 Product Specification

Product Name: Surge Protector

Product Model: NDU1-(80~120)kA

Date: 12/26/2018

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0	First issuance	12/26/2018	Chen Bo	Huo Zhiqiang	Duan Hui

1. Applicable Scope and Purpose

The product is applicable for limiting the transient overvoltage and lightning current passing through in the low-voltage AC power system to avoid the circuit and equipment damage caused by lightning electromagnetic pulse and other impacts.

2. Picture of the Product



3. Specification and Model Descriptions

ND	U	1	-	□	/	□	/	□	/	□
Nader	Surge Protector	Surge SN	Maximum Discharge current Imax: 80kA、100kA 120kA	Maximum continuous working voltage Uc: 275V 440V	Numbers of poles 1P、1PN、2P 3P、3PN、4P	Remote communication: S with remote communication function, blank without remote communication				
Low-voltage electrical appliance										

4. Main Technical Parameters and Product Selection Table

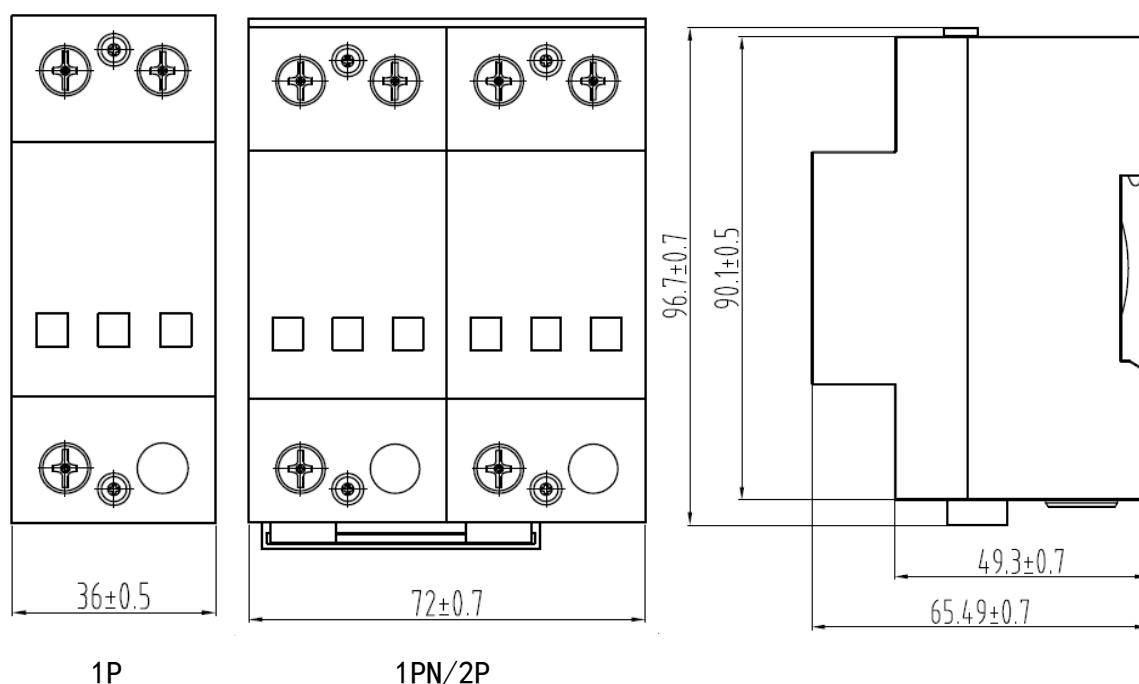
	NDU1-80		NDU1-100	
Uc	275V	440V	275V	440V
In	40kA		50kA	
Imax	80kA		100kA	

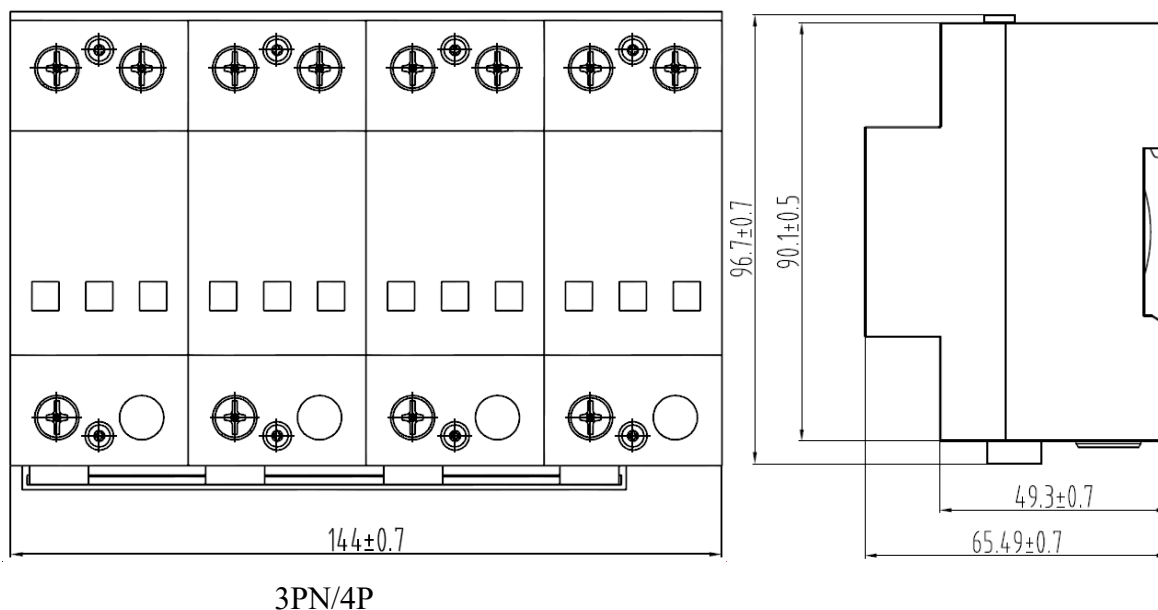
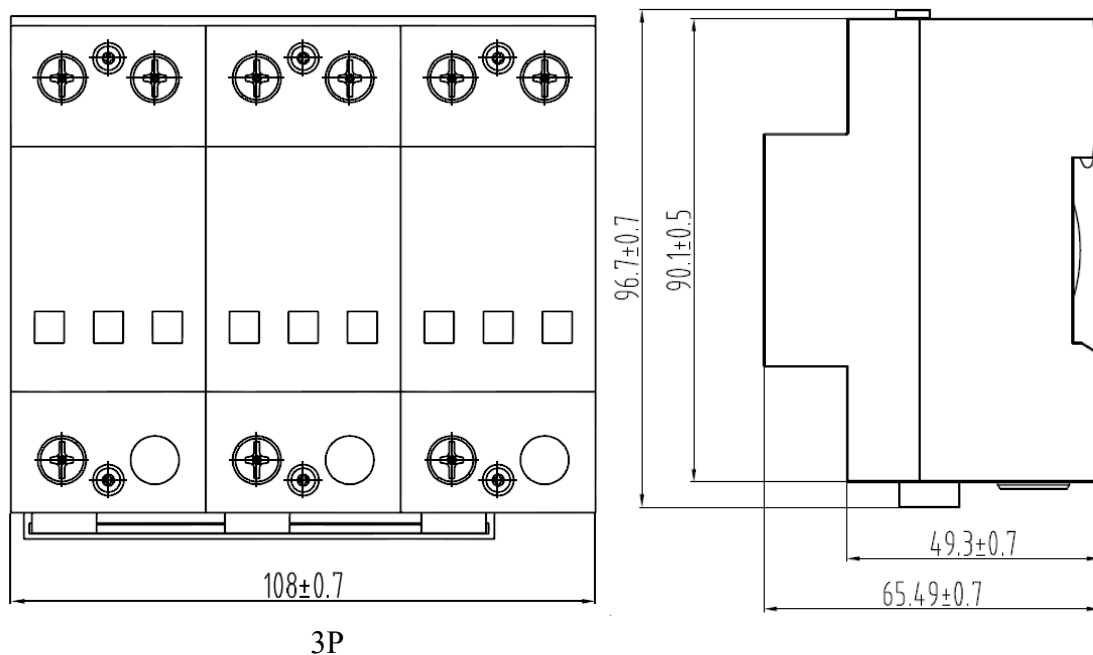
Up	2.5kV	2.5kV	2.5kV	2.5kV
Numbers of poles	1P, 1PN, 2P, 3P, 3PN, 4P		1P, 1PN, 2P, 3P, 3PN, 4P	
	<div></div>	NDU1-120		
	Uc	275V	440V	
	In	60kA		
	Imax	120kA		
	Up	2.5kV	2.7kV	
	Numbers of poles	1P, 1PN, 2P, 3P, 3PN, 4P		

5. Normal Working Environment

- Operating frequency: 50/60Hz.
- Ambient temperature: -40℃ to +70℃
- Altitude: ≤2000m
- Wiring voltage: ≤Maximum continuous working voltage Uc
- Terminal screw: M6, Torque: 2.5 N·m;

6. Product Outline and Installation Dimensions





7. Installation Mode

Based on the modular structure, it can be easily installed on the TH35mm \times 7.5 standard guide

8. Packaging and Storage

Packaging requirements:

Maximum loaded quantity per box: 1P product: 6 sets/box, 72 sets/box; 1P+N and 2P products: 3 sets/box, 36 sets/box; 3P product: 2 sets/box, 24 sets/box; 3P+N and 4P products: 1 set/box, 12 sets/box.

Product transportation and storage:

1) During transportation, the product should be free from snow and rain as well as collision and intense

movement, and handled with care.

- 2) The packaged products should be stored in a warehouse with the air ventilation and the relative humidity no more than 90% and the temperature between -40°C and $+70^{\circ}\text{C}$. They should be stored in a warehouse with no acidic, alkaline or other corrosive gases. Under the above conditions, the storage period shall be no more than 3 years since the manufacturing date.

9. Precautions

- The SPD wiring must be reliably grounded and each terminal must be reliably wired to prevent the terminal burning due to abnormal heat generation on the terminal.
- Under the energized operation state, do not touch the exposed portion of the uninsulated parts on the product with bare hand.
- The contact electrodes have been handled when delivered. Do not plug or remove the module repeatedly or debug it randomly; the manufacturer will not be responsible for any quality problem caused thereby.
- In case of failure (display window highlighted in red), the module shall be replaced by the professional personnel. Any quality problem due to disassembly without permission will be borne by the user.
- Descriptions of remote communication terminals: Nc: Normally closed, No: Normally opened, C: Public end