

Shanghai Liangxin Electrical Co., Ltd.

Product Specification of NDG1-125

Product Name: Disconnect switch

Product Type: NDG1-125

Date: 20201216

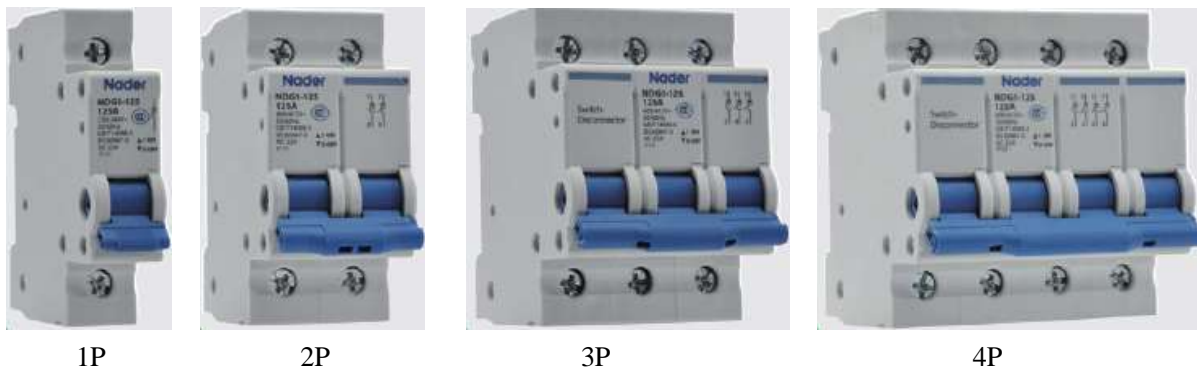
Prepare	Feng Dai	Date	2020-12-16
Review	ZhiQiangHuo	Date	2020-12-16
Approve	YangZhang	Date	2020-12-16

Revision information					
Version	Revised contents and reasons	Date	Prepared	Reviewed	Approved
0	First issuance	2018-8-10	Lin Chen	Yang Na	Yang Dongmei
1	Correct error for rated working voltage	2020-03-09	Gu Zhengjie	Song Zengqiang	Yang Na
2	Upgrade	2020-12-16	Feng Dai	HuoZhiQiang	ZhangYang

1、Application

Applicable to lines with the AC 50HZ/60HZ, the rated voltage of 415V and rated current of 125A, the products are used for line facilities and industrial power distribution system in buildings and similar places as isolating circuits or infrequent make-break operation.

2、Product Pictures(The picture is for reference only; the specific kind prevail)



3、Model and implication

ND	G	1	—	125	16	/	1
Nader	Disconnecting	Design		Frame level(A)	Rated current(A)		Pole number:
low-voltage	switch	code		125	16, 20, 25, 32, 40		1=1P, 2= 2P,
apparatus	,				50, 63, 80, 100, 125		3=3P, 4= 4P

4、Main technical parameters

- Electrical parameters
 - Rated working voltage: AC230V/240V(1P), AC400V/415V(2P,3P,4P);
 - Rated insulation voltage U_i : 1000V
 - Rated current(I_e): 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
 - Making and breaking capacity: $3I_e(415V, \cos\Phi=0.65)$
 - Rated short-time making capacity: $12I_e(415V, \cos\Phi=0.9)$
 - Rated short-time withstand current: $12I_e$ (415V, power-on time: 1s)
- Utilization category
 - AC-22A
- Wiring
 - Tunnel terminal blocks

- Terminal connection area: Apply to the 1-50mm² conductor
- Terminal screw: M7, torque: 3.5N.m
- Applicable standards
- GB/T14048.3, IEC 60947-3
- Protection grade
- IP20

5、Working conditions

- Elevation: $\leq 2000\text{m}$
- Ambient temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Relative humidity: when the temperature is $+55^{\circ}\text{C}$, the relative humidity of air should not exceed 95%;
- The product can be disposed in places that are free from explosive media, media corrosive to metal, insulation damaging gas, and conductive dust
- The product should be installed free from snow and rain

6、Time-Current curves

None

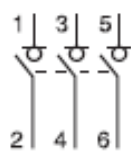
7、Wiring Mode(Diagrams)



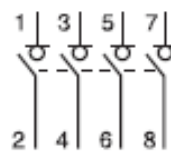
1P



2P

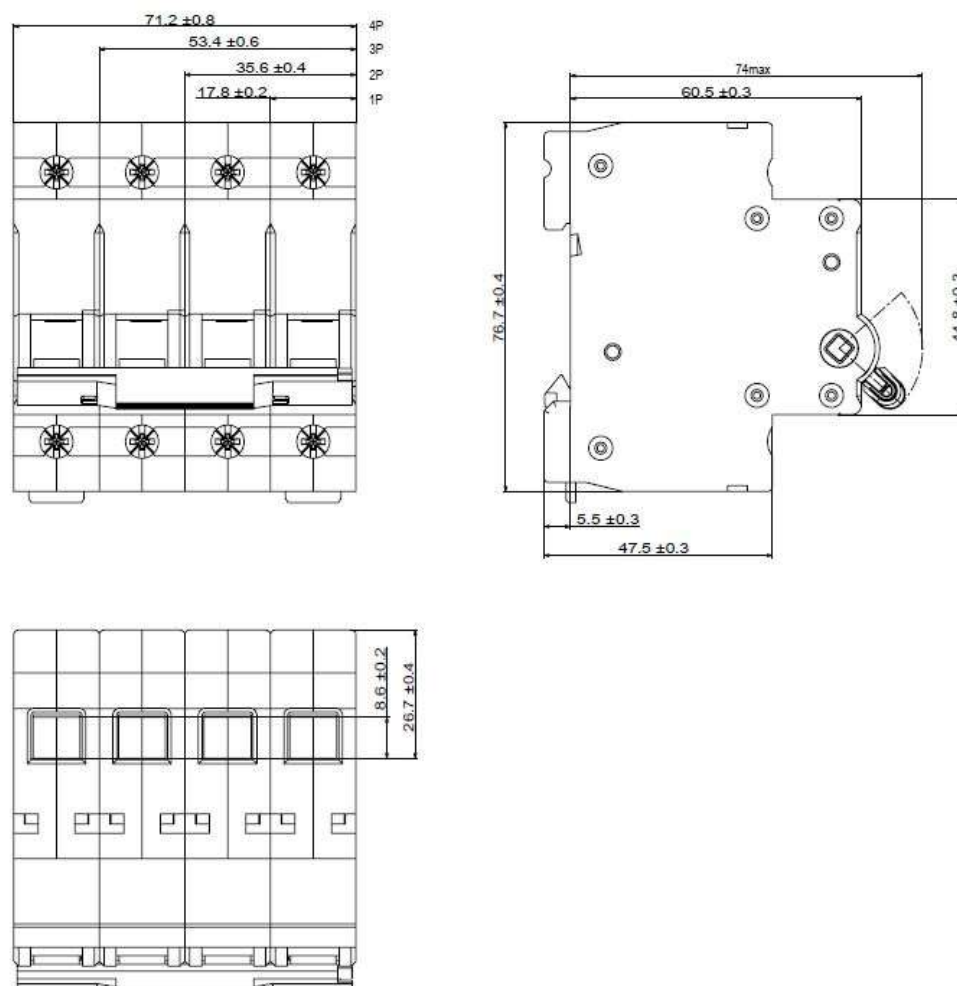


3P



4P

8、Outline and installation dimensions



9、Installation method

It can be easily installed on the TH35mm×7.5 standard guide.

10、Packaging and storage

Maximum packaging quantity: (1P product: 12 pieces/box, 2P product: 6 pieces/box, 3P product: 4 pieces/box, 4P product: 3 pieces/box). The packaged products should be stored in a warehouse with the air ventilation and the relative humidity no more than 80% and the temperature between -40°C and $+80^{\circ}\text{C}$. No acidic alkaline or other corrosive gas exists in the ambient air in the warehouse. Under the conditions above, the storage period shall be no more than three years since the manufacturing date.

11、Accessory list and installation

OF1 auxiliary contacts are added on the left side of the isolating switch to indicate the on-off state of the switch.

12、Notices

- A user must be responsible for addressing a product issue that occurs because the user disassembles the product without approval;
- Under the energized operation state, do not touch the exposed portion of the uninsulated parts on the product with bare hand.
- Do not commission the product randomly; the manufacturer shall not be responsible for any quality problem caused;
- Wiring should be reliable and solid.