

Shanghai Liangxin Electrical Co., Ltd.

Product Specification of NDG1-100

Product Name: Disconnecter switch

Product Type: NDG1-100

Date: 20201216

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

Revision record					
Version	Revise contents	Revision date	Reviser	Reviewer	Approver
0	Initial release.	20140527	Dai Feng	Huo zhi qiang	Wei Yang
1	•According to the CCC certification add the rated insulation voltage:1000V •Connection screw:M7;Torsion moment: 3.5N.m	20141124	Ke Heng	Huo zhi qiang	Wei Yang
2	Upgrade	20201216	Feng Dai	Huo zhi qiang	Yang Zhang

1 Scope and purpose

Suitable for 50Hz/60Hz AC circuit, the rated voltage not exceeding 415V and the rated current not exceeding 100A. It is used to isolate the circuit or do On-off circuit operation infrequently for the track facilities and Industrial distribution system of buildings and other similar sites.

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



3 Model and implication

ND	G	1	—	100	32	1
Nader	Disconnect	Design		Frame Size	Rated current (A)	Poles
Brand	switch	Code		100A	16,20,25,32,40, 50,63,80,100	1=1P,2= 2P 3=3P,4= 4P

4 Main technical parameters

- Electric parameters
 - Rated Voltage (Ue): AC230/240V(1P), AC400/415V(2P, 3P, 4P);
 - Rated Insulation Voltage(Ui):1000V
 - Rated Current (Ie): 16A,20A,25A,32A, 40A,50A,63A,80A,100A;
 - Making and breaking capacity: $3I_e$ (415V, $\cos\Phi=0.65$)
 - Rated short-circuit making capacity: $20I_e$ (415V, $\cos\Phi=0.9$)
 - Rated short-time withstand current: $20I_e$ (415V, 1s)
- Utilization category
 - AC-22A
- Ambient temperature: -40℃~+70℃
- Mechanical and electrical Life:10000 times
- Pollution degree: 3
- Used in place without obvious shock and vibration

●Wiring

- Adopt tunnel type wiring.
- Connection capability: 4mm^2 to 50mm^2
- Connection screw:M7;Torsion moment: 3.5N.m

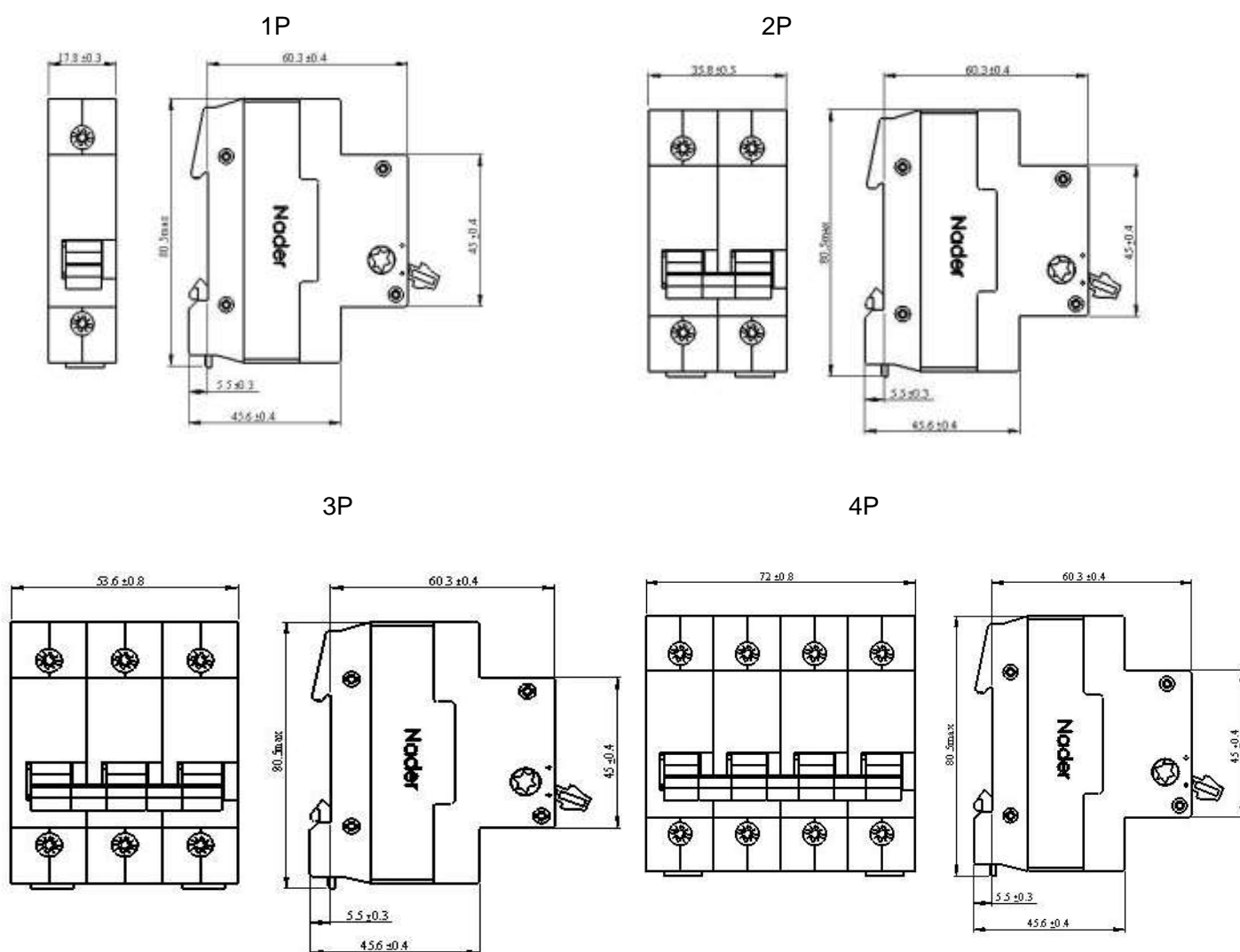
●Standards and Certificates

- GB/T14048.3、IEC 60947-3

5 Tripping curves

- Not have

6 Outline dimensions and installation



7 Mounting

Modularized structure, can be easily installed in TH35mm×7.5 Standard DIN rail.

8 Packing and depositing

- Maximum packing quantity

1P: 12pieces in a box, 12 boxes in an overwrap carton.

2P: 6 pieces in a box, 12 boxes in an overwrap carton.

3P: 4 pieces in a box, 12 boxes in an overwrap carton.

4P: 3 pieces in a box, 12 boxes in an overwrap carton.

- Products should be stored in the warehouse where there is ventilation. The relative humidity there should not exceed 80%, and the ambient temperature there is between -40℃ to +80℃. In addition, there should not be acidic, alkaline and corrosive gas in the air.

- Products should not be deposited more than 3 years in the above mentioned conditions since the producing date.