

 Nader 良信电器	文件名称 File Name	使用说明书 Operation instruction	文件编号 File Number	NDT2920021
	产品型号及名称 Model and Name of Product	NDC2J 家用接触器 NDC2J series Household contactor	版次 Version	第 3 版 Version3
			实施日期 Implementation Date	20190110

NDC2J 系列家用接触器
使用说明书
NDC2J Series Household AC Contactor
Using Instruction

上海良信电器股份有限公司
SHANGHAI LIANGXIN ELECTRICAL CO.,Ltd .

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修订记录
Revision History

版次 Version	修订内容 Revision Contents	修订日期 Revision Date	修订人员 Revised by
0	新增 Some contents were added.	20130105	白亚亚 Yaya Bai
1	型号“NDC3”变更为“NDC2J” Change the model “NDC3” to “NDC2J” 增加可选间隔件 Add the optional panle	20160301	李祥雨 Xiangyu Li
2	版式修订，NF8-11 外形尺寸修订	20181015	夏昌慧 changhui Xia
3	1、NDC2J-16/25、32/63 外形尺寸修订； 2、改版，内容有删减，保留说明书有用的部分，删除多余的部分。	20190110	夏昌慧 changhui Xia

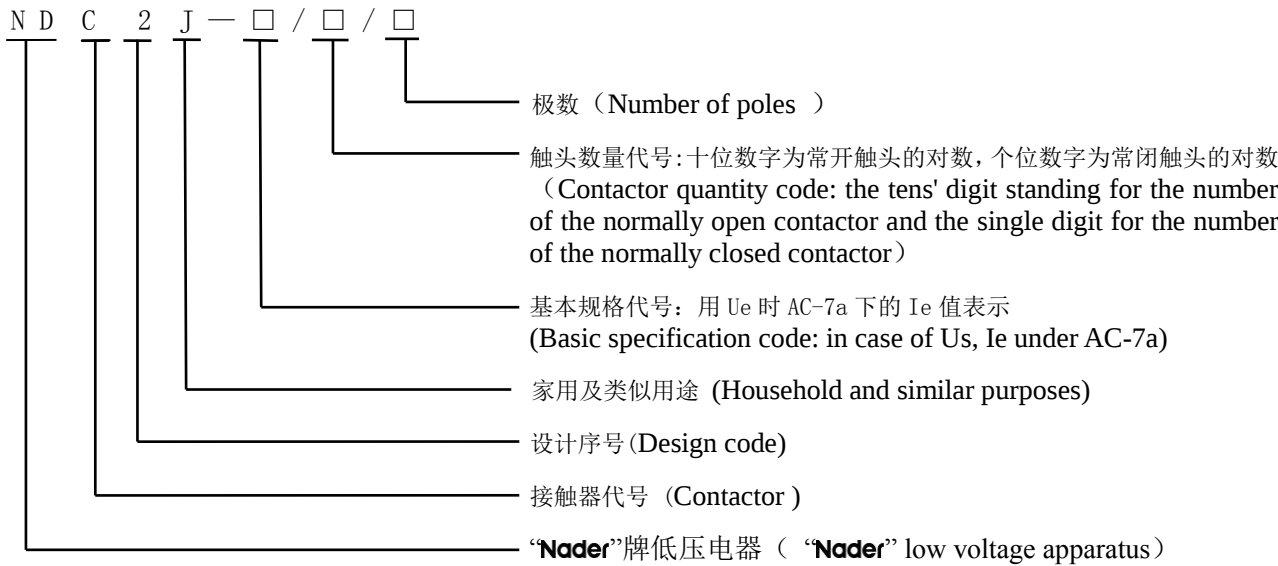
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一、用途及适用范围/Intended use and applicable range

NDC2J 家用接触器（以下简称接触器）主要用于工作频率 50Hz 或 60Hz，额定电压不超过 AC400V，额定工作电流不超过 63A（使用类别 AC-7a）的电路，控制家用电器和类似用途的低感或微感负载以及家用电动机负载。

NDC2J Series household contactor (hereinafter referred to as the contactor) is mainly used in the circuit with AC 50Hz (or 60Hz), rated operational voltage not more than 400V, rated operational current less than or equal to 63A (in case of AC-7a), for controlling the low induction or micro induction load of household appliance and similar purpose.

二、产品型号及规格/Table for Model and Specification



三、正常工作条件和安装条件/Normal working environment and installing environment

1、正常使用条件/ Normal using environment

- 1.1、环境空气温度/ Standard working temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$.
- 1.2、安装地点海拔/ The installed altitude: $\leq 2000\text{m}$
- 1.3、大气条件/Atmospheric conditions

最高温度为 $+40^{\circ}\text{C}$ 时，空气的相对湿度不超过 50%，在较低的温度下可以允许有较高的相对湿度，例如在 $+20^{\circ}\text{C}$ 时相对湿度可为 90%，对由于温度变化偶尔产生的凝露应采取措施。

With the temperature of $+40^{\circ}\text{C}$, the relative humidity in the installation location shall not exceed 50%. Under the lower temperature, the greater relative humidity is allowed. For example, in case of $+20^{\circ}\text{C}$, the relative humidity is up to 90%. The special measures shall be taken to deal with the condensation caused by temperature change.

2、运输和储存条件/transportation and storage condition: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$

3、安装条件/Installation conditions

- 3.1、安装类别为 II 类。 Installation type is II.
- 3.2、安装处应无显著冲击和振动。 To be installed in the place free from obvious shock and vibration.
- 3.3、安装面与垂直面的倾斜度不大于 5° 。 The gradient between the installation surface and vertical surface not more than $\pm 5^{\circ}$.

四、主要参数/Main parameter

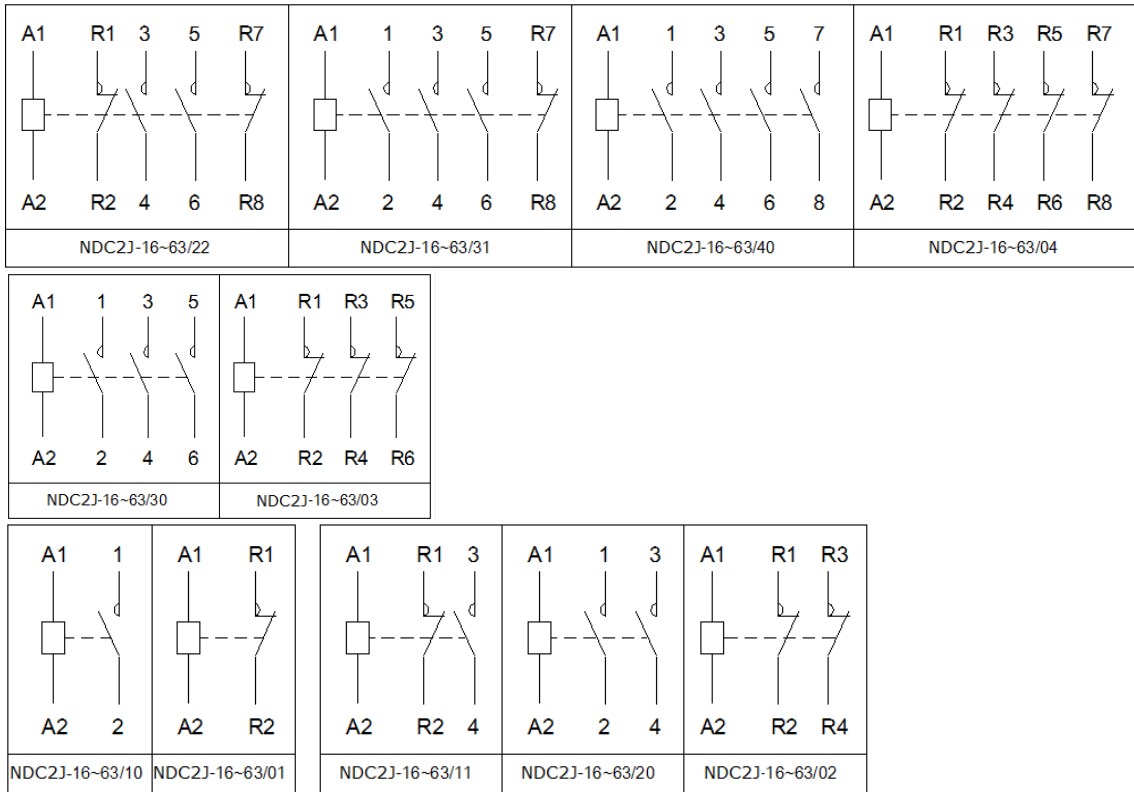
- 1、产品的主要技术参数见表 1 /Please refer to table 1 for main specification

表 1 主要技术参数/Main parameter:

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产品型号 Model	极数 Number of poles	触头数量 Number of contactors	使用类别 Use type	额定绝缘电(V) Rated insulation voltage	额定工作电压 (V) Rated operational voltage	控制电压(V) Control pressure	额定工作电流 (A) Rated operational current	控制功率 (kW) Control power
NDC2J-16	1P 2P	10, 01 11, 20	AC-7a/ AC—7b	500	250	220/240 50Hz	16/6	2.8/1
NDC2J-20							20/7	4/1.2
NDC2J-25							25/8.5	5.4/1.5
NDC2J-16	3P 4P	30, 03 22, 31, 40, 04			400		16/6	10/2.5
NDC2J-20							20/7	12.5/3.3
NDC2J-25							25/8.5	16/4
NDC2J-32	1P 2P	10, 01 11, 20, 02			250		32/12	6.5/1.9
NDC2J-40							40/15	8.4/2.4
NDC2J-63							63/25	13/3.8
NDC2J-32	3P 4P	30, 03 22, 31, 40, 04			400		32/12	20.5/5.6
NDC2J-40							40/15	26/7
NDC2J-63							63/25	41/11.7

2、接线图/Wiring diagram



3、接线能力见表 2。(Wiring ability see table 2)

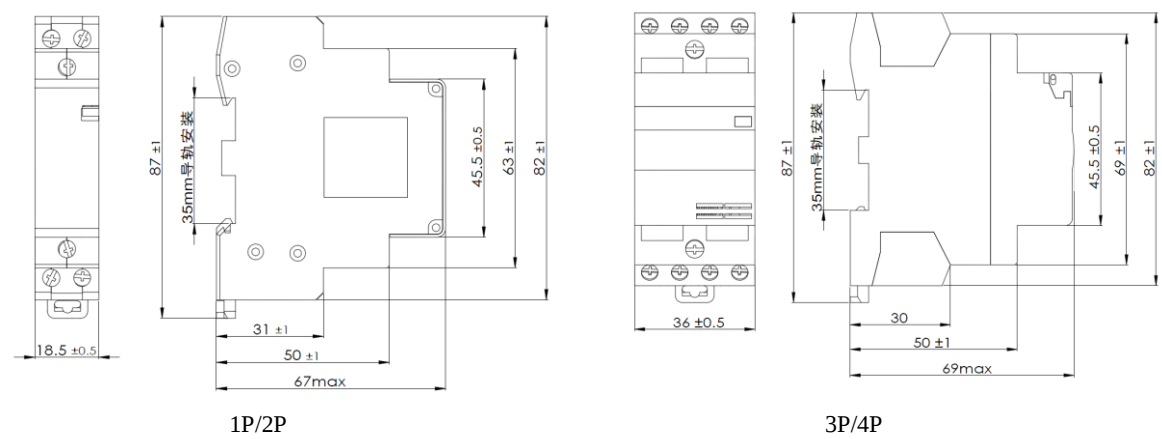
表 2 接线能力/Wiring ability:

型号 Model	接线螺钉规格 Specification of terminal	拧紧力矩 Tightening torque	连接导线 Connecting wire
NDC2J-16~63	M3.5	0.8~1.2N · m	1.5 mm ² / 1-3 根 1.5 mm ² / 1-3 nos.
			6 mm ² / 1 根 6mm ² / 1-3 nos.
	M5	3.5~3.8N · m	10 mm ² / 1-2 根 10mm ² / 1-2nos.
			25 mm ² / 1 根 25 mm ² / 1nos.

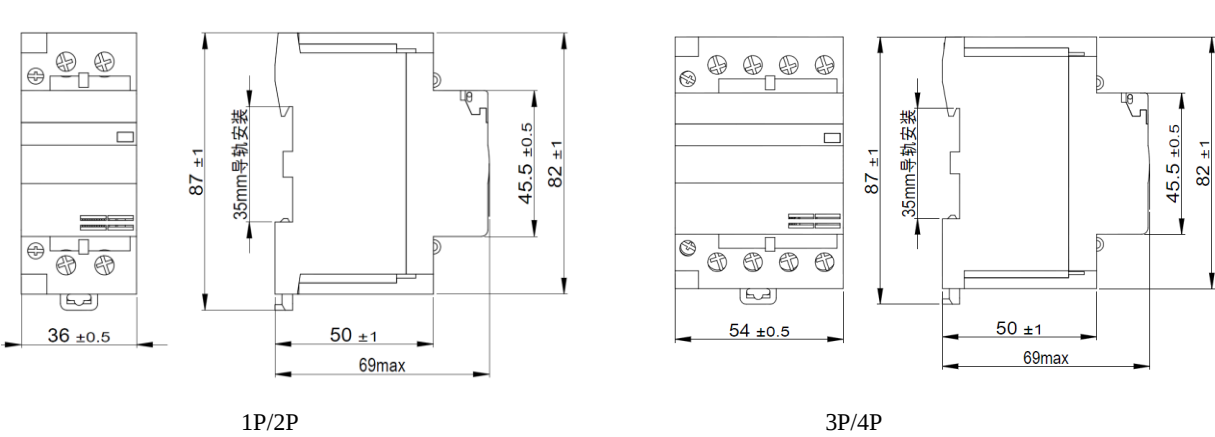
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五、外形及安装尺寸/External and installation dimensions

1、NDC2J-16~25 安装尺寸/Installation dimensions



2、NDC2J-32~63 安装尺寸/Installation dimensions



六 附件/Auxiliary

1 NF8-11 辅助触头/NF8-11 auxiliary contact

1.1 辅助触头拼装在接触器右侧，适配的本体接触器型号：NDC2J-32、NDC2J-40、NDC2J-63。

The auxiliary contact is assembled at the right side of contactor.It is adaptive to these contactors: NDC2J-32、 NDC2J-40 and NDC2J-63.

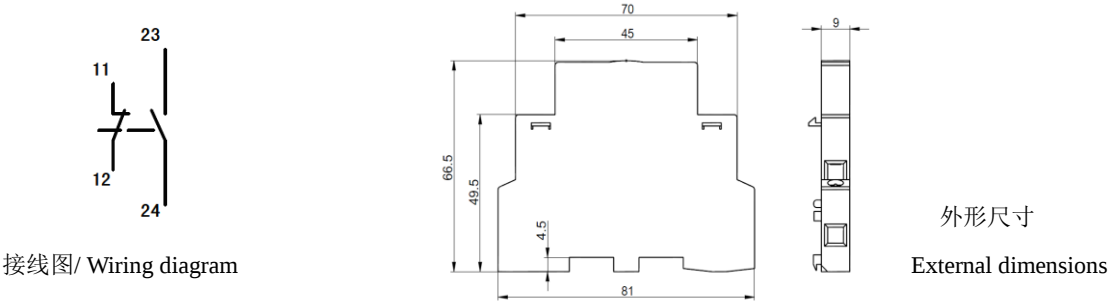
1.2 不同使用类别下的主要技术参数/Main parameters in the different utilization category

使用类别 Utilization category:	AC-15	AC-12	DC-13
额定工作电压/电流 Rated operational voltage/ current:	AC230V/ 2A	AC240V/5A	DC130V/1A

1.3 接线能力/Wiring

接线螺钉规格/ Specification of terminal： M3.5；
拧紧力矩/ Tightening torque ： 0.8~1.2N • m；
连接导线/ Connecting wire: 1 mm² / 1-2 根或 2.5 mm² / 1-2 根。

1.4 接线图、外形安装尺寸/Wiring and installation dimension drawing

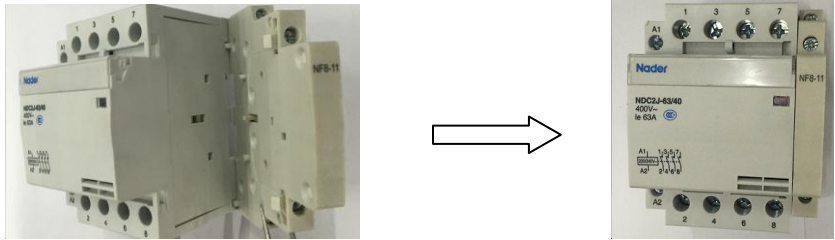


接线图/ Wiring diagram

外形尺寸
External dimensions

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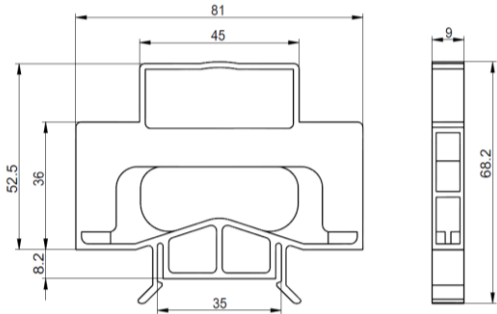
1.5 NF8-11 辅助触头与接触器本体拼装示意图/Assembly diagram of the NF8-11 auxiliary contact and the construction contactor



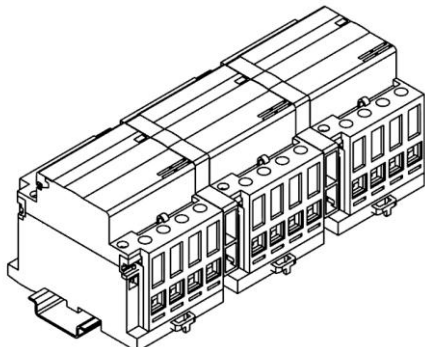
2 间隔件/Panel

当两台或两台以上的 4 极接触器并排安装时，可以在相邻接触器之间安装间隔件，以利于散热。

When 2 or more 4-phase contactors which operate at the same time are mounted side by side, the panel should be fitted every 2 contactors to separate them from electromechanical temperature.



外形尺寸
External dimensions



安装示意图
Installation diagram

七、注意事项/Attentions

产品安装、操作、维修必须由具备资质的专业电工遵照相关制度、法规安装标准及安全规范完成。接触器通电操作前，必须检查接入控制线圈的供电电源的实际电压，严禁触及带电部件。

The operation, installation, and servicing of this appliance must be carried out by a qualified electrician applying the relevant rules of the art, installation standards and safety regulations. Before operating the contactors, check that the data of the coil. Connection to other control voltage can destroy the coil. Don't touch live parts.

八、订货须知/Ordering Notice

1、订货时请写明接触器的型号、规格、是否需要配附件、订货数量。

While ordering, state the model, specification, accessory (whether to need) and quantity of the contactor.

例如：NDC2J-63/40/4P 建筑用接触器 配 NF8-11 附件 100 台

表示为额定工作电流为 63A，4 极，4 组常开触点，配 NF8-11 附件，订货数量为 100 台

Representing: order 100 sets of 4-pole contactors with rated operational current of 63A, of which the main circuit has 4 sets of normally open contacts, NF8-11 accessory needed.

2、NF8-11 辅助触头及间隔件可单独订货。

NF8-11 auxiliary contact and panle could be ordered separately.

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