

上海良信电器股份有限公司
Shanghai Liangxin Electrical Co., Ltd.
NDZ3X-100B/Z直流接触器
NDZ3X-100B/Z DC contactors

产品说明书
Product Manual

(IPD-ENG-DEV-T32 A0 2019-11-05)

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修订记录					
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0	新增	2020/08/04	刘晓鹏	路晓苗	朱华

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NDZ3X-100B/Z

直流接触器使用说明书

DC Contactor Using Instruction

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1、适用范围与用途/ Application Scope and Purpose

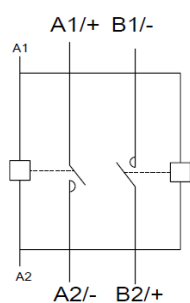
NDZ3X-100B/Z系列直流接触器适用于工作电压至DC1000V, 工作电流至100A的直流系统中主要用于电动汽车、充电桩、充电站、光伏等领域。

The NDZ3X-10010B/Z series of DC contactors apply to the DC system with the working voltage up to DC1000V and working current at 100A or less, which are mainly used in electric vehicles, charging piles, charging stations, photovoltaic and other fields.

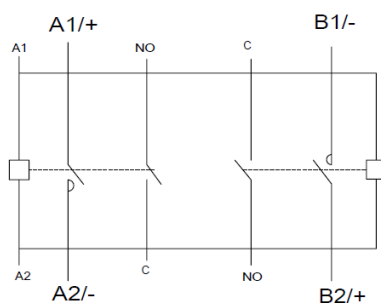
2、工作环境/ Operating Environment

-40~85℃

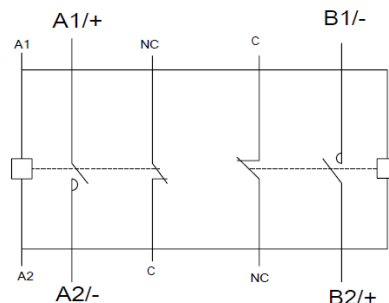
3、接线方式（接线图）/ Wiring Mode (Wiring Diagrams)



NDZ3X-100B/Z



NDZ3X-10010B/Z



NDZ3X-10001B/Z

备注/ Remark:

a. NO为辅助常开触点(导线颜色: 蓝色); NC为辅助常闭触点(导线颜色: 灰色); C为辅助共用点(导线颜色: 白色)。
a. NO for the auxiliary normally-open contact and the wire is blue, NC for auxiliary normally-closed contact and the wire is gray, C for auxiliary communal contact and the wire is white.

b. '+/A1'、'-/A2'、'-/B1'、'+/B2' 为负载端, 有极性要求。

b. "+/A1", "-/A2", "-/B1" and "+/B2" are the load ends with polarity requirements.

c. A1、A2为线圈端, 无极性要求(导线黑色); 。

c. A1 and A2 are coil ends without polarity requirements and the wire is black.

4、外形尺寸和安装尺寸/ External Dimensions and Installation Dimensions

垂直安装/Vertical installation

注: 水平安装方式请与我司联系。

Note: for horizontal installation, please contact us.

6、使用和维护/ Use and Maintenance

1. 应按规定的条件和使用环境安装。
1. It is required to carry out the installation according to the specified conditions and use environment.
2. 触点间的绝缘电阻低于 $50M\Omega$ 时寿命已到极限需要更换产品。
2. Replace the product when the life has reached to its end in case the insulation resistance between contacts is below $50M\Omega$.

7、注意事项/ Precautions

1. 接触器线圈的驱动电路功率必须大于产品线圈起动功率。
1. The drive circuit power of the contactor coil must be greater than the coil's starting power.
2. 严禁在强磁场的地方或者靠近热辐射的范围内使用。
2. It is strictly forbidden to use the product in places with strong magnetic fields or in proximity to thermal radiation.
3. 扭力范围:

型号	负载端	产品固定安装
NDZ3X-100B/Z	M5螺钉 3.5~4.5N.m	M4螺钉 2~3.5N.m

注: 为防止出现松动, 凡安装接触器时均要使用垫圈。拧紧螺钉扭力范围请按要求, 超出扭力最大值可导致产品破裂。
各个部位的螺钉锁紧扭矩请控制在上述的规定范围内。超出范围时可能会造成密封腔破裂及螺纹破损。

3. Torque range:

Model	Load end installation	Product fixed installation
NDZ3X-100B/Z	M5 screw 3.5~4.5N.m	M4 screw 2~3.5N.m

Note: In order to prevent looseness, always use washers when installing contactors. Tighten the screw torque range as required. Exceeding the maximum torque can lead to product rupture. Please control the screw locking torque at each position within the range specified above. If out of range, the seal chamber may be cracked and the thread may be broken.

4. 请避免在接线端上粘附油脂等异物, 并使用以下规格的连接导线, 否则有可能会造成接线部分的异常发热。
4. Avoid adhering grease and other foreign matters on the wiring terminals and use the connecting conductors with the following specifications, which may otherwise lead to the abnormal heating of the terminals or conductors.

NDZ3X-100B/Z: 导线截面积 $\geq 35\text{mm}^2$;

NDZ3X-100B/Z: Wire cross-section area $\geq 35\text{mm}^2$.



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