

联系我们
Contact Us

黄华集团有限公司
HUANGHUA GROUP CO., LTD.

总部: 浙江省乐清市柳市镇山前工业区
电话: 0577-2781 1111
传真: 0577-2781 1155
售后: 157-5778-0339

Headquarters: Shanqian Industrial Zone, Liushi Town, Yueqing, Zhejiang Province
Tel: +86-0577-2781 1111
Fax: +86-0577- 2781 1155
AS Hotline :157-5778-0339
Http://www.huanghua.com
E-mail: wm@huanghua.com

全国统一热线: **400-666-0005**
National Unified Hotline: **400-666-0005**



本样本所包含的内容, 黄华集团有限公司有最终解释权, 更多详细资料敬请
本公司工作人员将竭诚为您服务, 如有技术变更, 届时恕不另行通知。



黄华集团抖音号



黄华集团资质在线



黄华集团公众号

MNS-E POWER CONTROL DISTRIBUTION BOX
动力控制配电箱

Operation Manual

使用说明书

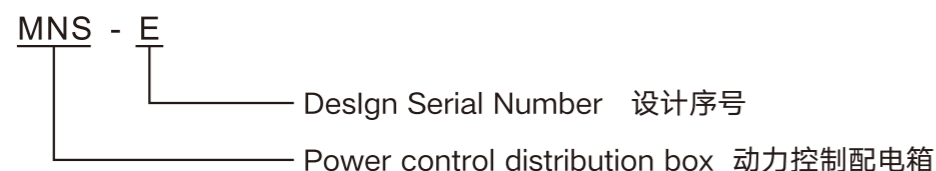
CNHK® **黄华集团有限公司**
HUANGHUA GROUP CO., LTD.

1. Overview 概述

The MNS-E low-voltage power distribution box complies with the International Electrotechnical Commission IEC439-1 "Low Voltage Switchgear and Control Equipment Devices" and the national standard GB7251.2-2023 "Low Voltage Switchgear and Control Equipment Devices". Suitable for power plants, substations, large buildings, buildings and other power users. Suitable for AC 50Hz, rated voltage 400V and below, used for power control and distribution. MNS-E indoor device with multiple installation methods and screen maintenance. The box has good protective characteristics and is suitable for use in chemical plants and places with dust.

MNS-E型低压动力配电箱符合国际电工委员会IEC439-1《低压开关设备和控制设备装置》，国标GB7251.2-2023《低压开关设备和控制设备装置》。适用于发电厂、变电站、大型建筑、楼宇等电力用户。适用于交流50Hz、额定电压400V及以下，作为动力控制及配电使用。MNS-E系户内装置，多种安装方式，屏前检修。箱体具有良好的防护特性，适合于化工厂和有灰尘场所使用。

2. Model Description 型号说明



3. Product features 产品特点

The shell of the MNS-E power distribution box is made of bent steel plate and adopts new electrical components. It has the characteristics of compact structure, convenient maintenance, and flexible circuit protection. In addition to air circuit breakers and fuses as short circuit protection functions, the distribution box also has overvoltage, undervoltage, and phase loss alarm functions. The front door of the box can be equipped with indicator meters, operation buttons, and indicator lights.

MNS-E型动力配电箱外壳用钢板弯制而成,采用新型电器组件,具有结构紧凑,检修方便,线路方案可以灵活组保等特点,配电箱除装有空气断路器和熔断器作为短路保护功能,还具有过压、欠压、缺相告警功能,箱前门可装指示电表,操作按钮和指示灯。

4. Working Conditions 工作条件

- 4.1 Altitude not exceeding 2000 meters;
 - 4.2 The ambient air temperature shall not exceed +40 °C, and the average temperature within 24 hours shall not exceed +35 °C, and the ambient air temperature shall not be lower than -5 °C;
 - 4.3 Atmospheric conditions: The air is clean, and the relative humidity does not exceed 50% at a temperature of +40 °C. Higher relative humidity is allowed at lower temperatures, such as 90% at +20 °C;
 - 4.4 Places without fire, explosion hazards, severe pollution, chemical corrosion, and severe vibration;
 - 4.5 During installation, the inclination to the vertical plane shall not exceed 5 °;
 - 4.6 This product is suitable for transportation and storage at the following temperatures: -25 °C to +55 °C. Within a short period of time (not exceeding 24 hours), it shall not exceed +65 °C;
 - 4.7 If the above usage conditions cannot be met, the user should raise the issue with the manufacturer at the time of ordering and negotiate a solution.
- 4.1 海拔高度不超过2000米;
 - 4.2 周围空气温度不高于+40°C, 并且24h内平均温度不高于+35°C, 周围空气温度 不低于-5°C;
 - 4.3 大气条件: 空气清洁, 相对湿度在温度为+40°C时不超过50%, 在温度较低时允许有较高的相对湿度, 例如: +20°C时为90%;
 - 4.4 没有火灾、爆炸危险、严重污秽、化学腐蚀及剧烈震动的场所;
 - 4.5 安装时, 与垂直面倾斜不超过5°;
 - 4.6 本产品适合以下温度运输、储存: -25°C--+55°C。在短时间内(不超过24小时)不超过+65°C;
 - 4.7 如上述使用条件不能满足时, 应由用户在订货时向制造厂提出, 协商解决。

5. Technical Parameter overview 技术参数

Number 序号	Name 名称	Unit 单位	Data 数据
1	Rated voltage 额定电压	V	400
2	Maximum rated working current 最大额定工作电流	A	400
3	Rated insulation voltage 额定绝缘电压	V	660
4	Frequency 频率	Hz	50
5	Protection grade 防护等级		IP31 (IP54)(IP65)
6	Rated short-time withstand current 额定短时耐受电流	kA	10
7	Rated peak withstand current 额定峰值耐受电流	kA	17

6. Use, maintenance, and repair 使用、维护和检修

After maintenance, the MNS-E power distribution box needs to undergo the following inspections and inspections before being put into operation:

6.1 Check whether the electrical components and secondary wiring inside the power distribution box meet the requirements of the drawings;

6.2 Check if the manually operated knife switch and air switch are flexible and free of jamming;

6.3 Check whether the installed electrical equipment has good contact and meets the requirements for its own use;

6.4 Check that there are no foreign objects inside the power distribution box and check if the fastening screws are loose.

MNS-E型动力配电箱在检修后，在投入运行前需进行下列检查和检验：

6.1 检查动力配电箱内电器元件、二次接线是否符合图纸要求；

6.2 检查手动操作的刀开关、空气开关是否灵活，无卡扎现象；

6.3 检查所装设的电器设备接触是否良好、是否符合该电器设备的本身使用要求；

6.4 检查动力配电箱内无异物，检查紧固螺钉是否松动。

7. Ordering Instructions 订货须知

Customers are required to provide the following information when placing an order:

7.1 Primary line scheme and single line system diagram;

7.2 Secondary line deployment system diagram;

7.3 Detailed specifications and parameters of various electrical appliances installed in each box.

订货时客户需提供下列资料：

7.1 一次线路方案及单线系统图；

7.2 二次线路展开系统图；

7.3 每箱内所装设各种电器的详细规格及参数。