

1.2 KYN61-40.5交流金属铠装移开式开关设备 KYN61-40.5 AC Metal-armoured



一、产品概述 General

KYN61-40.5交流金属铠装移开式开关设备（以下简称开关柜）系40.5kV三相交流50Hz成套配电装置，主要用于发电厂、变电所及工矿企业的配电室接收与分配电能，可实现对电路的控制、保护和监测之用；除广泛用于一般电力系统外，还可使用于频繁操作的场所。本开关柜符合GB3906-2006及IEC62271-200《交流金属封闭开关和控制设备》。

KYN61-40.5 AC metal-armoured movable-type switchgear (hereinafter referred to as switchgear) is a 40.5kV three-phase AC 50Hz distribution equipment. It is applicable to the distribution rooms of power station, power substation and its industrial and mining enterprises to receive and distribute power to control, protect and monitor circuit; Except for general using in power system, it is also applied in frequent operation places. This switchgear meets GB3906-2006, IEC62271-200 Alternating-current.

二、型号含义 Model Definition



三、使用环境 Operational Environment

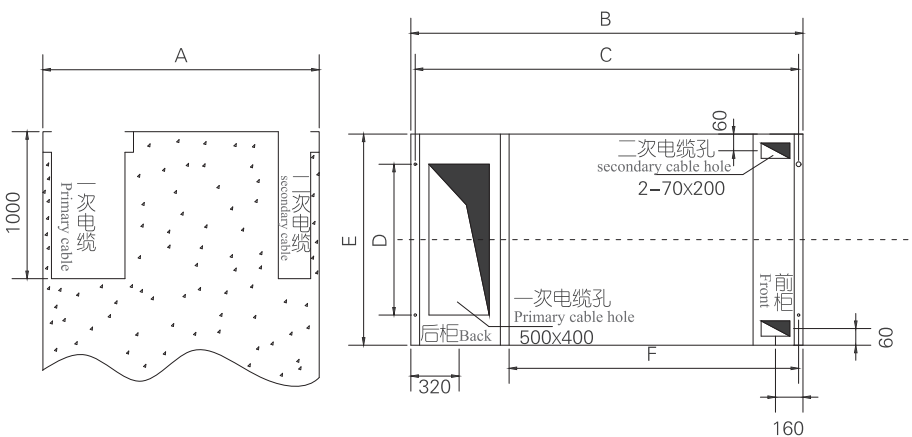
- a、环境温度：上限+40℃ 下限-10℃；
- b、海拔高度不超过1000米；
- c、天气相对湿度：平均值不大于95%，月平均值不大于90%；
- d、地震裂度不超过8级别；
- e、不适用用于有腐蚀和可燃性气体、水蒸气等明显污染的场所。

- a. Ambient Temperature: -10℃~+40℃;
- b. Altitude: Below 1000m;
- c. Relative Humidity: the average not more than 95%, monthly average not more than 90%;
- d. Seismic Intensity: less than 8-magnitude;
- e. It is not applicable to operate in corrosive and combustible gas and water-vapor polluted places.

四、技术参数 Technical Parameters

项目 Items	单位 Units	数据 Parameters
额定电压 Rated Voltage	kV	40.5
额定频率 Rated Frequency	Hz	50
额定电流 Rated Current	A	1250, 1600
额定关合电流(峰值) Rated Closed Current (Peak)	kA	25, 31.5
4s热稳定电流 4s Thermal Stability Current	kA	63, 80
额定动稳定电流(峰值) Rated Dynamic Current (Peak)	kA	25, 31.5
绝缘水平 Insulation Level	1min工频耐压(有效值)(相间、对) 1min Power Frequency Withstand Voltage (Effective Value) (Interphase, Pair)	kV 95
	雷电冲击耐压(峰值) Lighting Impulse Withstand Voltage (Peak)	kV 185
	隔离断口1min工频耐压(有效值) Isolation Break 1min Power Frequency Withstand Voltage (Effective Value)	kV 115
隔离断口雷电冲击耐压(峰值) Isolation Break Lighting Impulse Withstand Voltage (Peak)	kV	215
外壳防护等级 Enclosure Protection Grade	—	外壳IP4X, 隔离室IP2X Shell IP4X, isolation room IP2X
柜体外型尺寸(宽×深×高) Cabinet Body Dimension (Width×Depth×Height)	mm	1400×2800×2600 1600×2800×2600
配用断路器型号 Circuit Breaker Type	—	HVX-40.5 VD4-40.5 ZN85-40.5 3AE-40.5

五、安装基础图 Installation Foundation Diagram



- 注： 1. 二次浇灌的基础槽钢可以反扣
2. 开关柜固定在槽钢上允许焊接

Note: 1.The foundation channel steel for secondary pouring concrete, can reverse buckle.
2.Switch cabinet is fixed on the channel steel, welding is allowed.

产品型号 The Product Model	尺寸 Size	A	B	C	D	E	F
KYN61-40.5KV		2600	2600	2550	1000	1400	1300

六、订货须知 **Ordering Instructions**

- a. 主接线方案编号、单线系统图及排列图；
 - b. 二次回路接线原理图、端子排列图；
 - c. 开关柜内的电器元件的型号、规格、数量；
 - d. 开关柜使用在特殊环境条件时，应在订货时提出；
 - e. 需要附件、备件时，应提出种类和数量。
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- a. Main wiring plan No., single line system diagram and arrangement diagram;
 - b. Secondary circuit connection schematic diagram, terminal arrangement diagram;
 - c. Type, specification and quantity of electric elements inside switchgear;
 - d. It should be put forward when order if the switchgear will be operated in special environment;
 - e. Type and quantity of accessories and spare parts should be offered if necessary.