

Complete Set Company - Power Control System

>> High Voltage Power Box



KYN28A-12(GZS1) Armored Mid-Insert Metal Closed Switch Equipment

About the Product

KYN28A-12(GZS1) Armored Mid Insert Metal Closed Switch Equipment (hereinafter refers to power box) is an indoor three-phase AC 50Hz power distribution equipment. It is used in accepting and distributing 3.6~12KV network power and can control, protect and monitor the circuit. The power box meets such standards as:GB3906、DL404、IEC-298, etc. It has the “five defenses” function, which could prevent misuse of the circuit breaker, pushing the loaded handcart, closing charged ground switch, electric transmission of ground switch at the grounding position and mislead into the charged interval. It can be applied to VS1、ZN63、Schneider EV12 vacuum circuit breaker as well as ABB VD4 vacuum circuit breaker and VC series vacuum contactor.

KYN28A-12(GZS1) Armored Mid Insert Metal Closed Switch Equipment produced by our company has passed national CQC voluntary product authentication and model test.

KYN28A-12(GZS1)

About the structure of the power box

The power box is composed by the fixed cabinet body and the movable component (handcart) these two parts. The shell and separation board of each functional unit are bolted by the aluminum –zinc steel plate. The power box shell protection rank is IP4X and when the circuit breaker room is open is IP2X. KYN28A-12 power box can be applied to VSI、ZN63、EVI 2 and VD4 vacuum circuit breaker handcart. It can be installed on the wall so as to save the space and increase the security and installation flexibility of power box.

Terms of use

Indoor temperature: +40 ~-10

Relative humidity: daily average ≤95% monthly average ≤90%

Intensity of earthquake: ≤8 degree

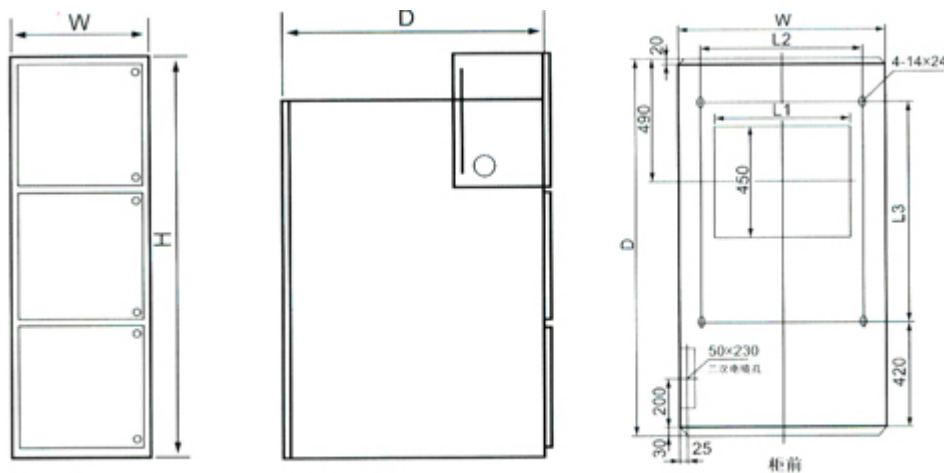
Altitude: ≤1000m

Technical Parameter

items	data
Rated voltage KV	3.6 7.2 12
rated current A	630 1250 1600 2000 2500 3150
Rated frequency HZ	50
Rated short-term current tolerance KA	16 20 25 31.5 40 50
Rated voltage frequency tolerance KV	42/min
Rated voltage lightning impact tolerance KV	75
Rated dynamic stable current KA	63 80 100
Rated thermal stable current(RMS) KA/S	25/4 31.5/4 40/3
Protection rank	Shell: IP4X, opened circuit breaker: IP2X

Power box outlook dimension and installation dimension

	Dimension	Applied to VSI, ZN63、EVI 2、VD4
Height(mm)		230
Width(mm)	Rated current of generatrix branch reaches 1250A, thermal stable current 31.5K	650、 800
	Rated current of generatrix branch: over1 600A	1000
Depth(mm)	Cable input/output wire	1300、 1500
	Elevated input/output wire	1660
Weight (kg)		800、 1200



1- Power box outlook dimension

2- installation dimension

cabinet width	Cabinet depth	L1	L2	L3
		800	1500 cable	530
	1660 elevated			
1000	1500 cable	730	830	1040
	1600 elevated			

Order Information

Users should provide the following technical material:

- Main wire programme code, Single wire system diagram, arrangement chart and layout-plans.
- Double loop circuit schematic diagram and Terminal arrangement diagram. If there is no terminal arrangement diagram, we will resort to the manufacturer.
- The model, specification and quantity of the electrical components of the power box.
- Electrical equipment summary table
- Generatrix is needed. (Provide gap distance and height of the generatrix, which is between two cabinets or on the wall)
- If the power box is used in special environment or condition, it should be stated when make an order.
- In need of other components or spare parts should state the exact category and quantity

Significant Performance:

State Xiaolangdi project, the Three Gorges Yichang Bridge Project, Beijing Changan Avenue project, the transportation of the west natural gas to the east project, Guangzhou Baiyun Airport project, the Xi'an Aircraft Manufacturing Company significant renovation project and more than 20 thermoelectric power plants have used this product.