

## Product Overview

KYN28-24 (Z) (GZS1) armored movable AC metal enclosed switchgear (hereinafter referred to as "switchgear") is suitable for three-phase AC 50Hz power systems, used for receiving and distributing electrical energy and controlling, protecting, and monitoring circuits. This product complies with the standards GB3906 "3.6-40.5kV AC Metal Enclosed Switchgear and Control Equipment" and GB/T11022 "Common Techniques for High Voltage Switchgear and Control Equipment Standards" Technical Requirements, IEC62271:200" AC Metal Enclosed Switchgear and Control Equipment with Rated Voltage above 1kV and Below 52 ", DL/T404" Technical Conditions for Ordering Indoor AC High Voltage Switchgear "

## Product Model Description

### 型号及含义

K Y N 28 - 24- (Z)

① ② ③ ④ ⑤ ⑥

①	铠装
②	移开式
③	使用条件: (户内)
④	设计序号
⑤	额定电压 (kV)
⑥	真空断路器

## Scope of application

Surrounding air temperature: maximum temperature of 40 °C, minimum temperature of -15 °C

Relative humidity: daily average not exceeding 95%, daily average water vapor pressure not exceeding 2.2Kpa, monthly average not exceeding 90%, monthly average water vapor pressure not exceeding 1.8Kpa

Altitude: 1000m and below

Earthquake intensity: not exceeding 8 degrees

The surrounding air should not be significantly polluted by corrosive or flammable gases, water vapor, etc

Places without frequent severe vibrations

When used under normal environmental conditions exceeding GB3906, it shall be negotiated between the user and the manufacturer

## Technical Parameter

### 主要技术参数

名称	单位	参数		
额定电压	kV	24		
额定频率	Hz	50		
断路器额定电流	A	630、1250、1600、2000、2500、3150		
开关柜额定电流	A	630、1250、1600、2000、2500、3150		
额定动稳定电流 (4s)	kA	20、25、31.5		
额定稳定电流 (峰值)	kA	50、63、80		
额定短路开断电流	kA	20、25、31.5		
额定短路关合电流 (峰值)	kA	50、63、80		
额定 绝缘 水平	1min 工频耐受电压	极间、极对地间	kV	65
		断口间	kV	79
	雷冲击耐受电压 (峰值)	极间、极对地间	kV	125
		断口间	kV	145
防护等级		外壳 IP4X、隔离间、断路器室门打开时为 IP2X		

## Product Structure Features

Switchgear structure

Fully metal armored, assembled structure, wide range of combination options

The cabinet is made of imported aluminum zinc coated thin steel plate, processed by machine tools, using advanced multiple folding technology, connected by rivet nuts and high-strength bolts, with high precision, light weight, high strength, and strong universality of parts

Can be equipped with VS1-24 series or imported VD4 series vacuum circuit breakers, with wide applicability, high reliability, and long-term maintenance free operation

The handcart is equipped with working and testing positions, each with positioning and display devices, ensuring safety and reliability

Various types of handcarts change in modular building blocks to ensure that vehicles of the same specification can be freely interchanged, and vehicles of different specifications must not enter

Installation method of grounding switch

a. Installed in the middle of the cabinet (front mounted) for easy maintenance on both sides of the cabinet after inspection; b. Installed at the back of the cabinet (rear mounted) for easy wall leaning and space saving; Installation method of current transformer:

a. Install the cable room at the back of the cabinet; b. Lifting at the bottom of the large curved board; The cable room can accommodate up to 9 single core cables

Each high-pressure chamber has a pressure relief channel to ensure personal safety

Highly reliable interlocking devices that fully meet the safety requirements of "five prevention"

Transported by dedicated transport vehicles, the handcart is easy to operate and flexible

The front and rear doors are equipped with observation windows, which facilitate the observation of the working status of indoor components

## Installation dimension diagram

### 安装尺寸图

