

## KYN28-24 Metal-Claded Withdrawable AC Metal-Enclosed Switchgear



## Overview

KYN28-24 switchgear is a complete set of power distribution equipment for 24kV three-phase AC 50Hz single bus and single bus section system. It is mainly used for power plants, small and medium generators to transmit power, power distribution of industrial and mining enterprises, and secondary substations of electrical industry systems for control, protection, and monitoring. This switchgear meets DL/T404, IEC298, GB3906 and other standards. It has the interlock function to prevent the load-carrying withdraw circuit breaker trolley, prevent the circuit breaker from being closed or opened by mistake, to prevent the circuit breaker from being closed when the earth switch is in the closing position, to prevent entering the live compartment by mistake, and to prevent the earth switch from being closed by mistake.

## Normal Use Conditions

- Ambient air temperature:  $-15^{\circ}\text{C}\sim+40^{\circ}\text{C}$ .
- Humidity conditions: Daily average relative humidity:  $\leq 95\%$ .

The daily average water vapor pressure  $\leq 2.2\text{kPa}$ .

The monthly average relative humidity is 90%.

The monthly average water vapor pressure is 1.8kPa.

- Earthquake intensity:  $\leq 8$  degrees. Horizontal acceleration: 0.3g. Vertical acceleration: 0.15g.
- Environmental conditions: suitable for Grade 3 dirty places
- Installation location: indoor
- Installation method: anchor bolts, welding

Item	Unit	Value
Rated voltage	kV	24
1min power frequency withstand voltage	kV	65
Lightning impulse withstand voltage	kV	125
Rated frequency	Hz	50
Rated current of main bus	A	1250, 1600, 2000, 2500, 3150
Rated current of branch bus	A	1250, 1600, 2000, 2500, 3150
Tayed short circuit withstand current (RMS)	kA	25, 31.5, 40
Rated peak withstand current (peak value)	kA	63, 80, 100
Voltage of auxiliary power supply	kV	DC110.DC220
Enclosure protection level		IP4X
Protection level (when the circuit breaker room door is opened)		IP2X
Overall dimensions (W*H*D)	mm	1000X1800 X 2300
Weight	kg	850~1450