

Product Overview and Features

KYN61-40.5 (Z) type

Armored move-open metal-enclosed switchgear (hereinafter referred to as "switchgear") which is suitable for three-phase AC 50Hz power system, used for power plants, substations and industrial and mining enterprises in the distribution room to accept and distribute electricity, and the circuit control, protection and monitoring.

The product complies with the standards: GB/T3906 "3 ~ 35kV AC metal-enclosed switchgear", GB/T11022 "High-voltage switchgear and control equipment standard common technical requirements", IEC60298 "rated voltage of more than 1kV and 50kV below AC metal-enclosed switchgear and control equipment".

Model Meaning

K Y N 61 - 40.5 (Z) / □ - □

- Rated breaking current (KA)
- Rated current
- Z: Vacuum Circuit Breaker
  L: Sulfur hexafluoride
- Rated Voltage
- Design number
- Indoor
- Removable (trolley type)
- Metal Armored

Areas of application and environments of use

Widely used in coal mines, iron and steel plants, cement plants, building ceramics, textile, paper and other industrial and mining enterprises and hydroelectric power plants, solar photovoltaic power plants, wind power plants, thermal power plants and other power generation projects and substations, substation distribution room and other indoor places.

1. The surrounding air temperature: the highest temperature +40 ℃, the lowest degree -15 ℃;
2. Relative humidity:

Daily average relative humidity: ≤95%; daily average water vapor pressure does not exceed 2.2kPa;

Monthly average relative humidity: ≤90%; monthly average water vapor pressure does not exceed 1.8kPa;

3. Altitude: below 1000m;
4. Earthquake intensity: no more than 8;
5. The surrounding air should not be corrosive or combustible gases, water vapor and other obvious pollution sites;
6. No violent vibration places;
7. Beyond the GB/T3906-2020 provisions of the normal conditions of use, by the user and the company to negotiate.

Main technical parameters

Name		Unit	Parameters
KYN61-40.5 type switchgear rated parameters			
Rated Voltage		kV	40.5
Rated current		A	400, 630, 800,1250,1600, 2000
Rated short-circuit breaking current		kA	25,31.5
Rated short-time closing current		kA	63, 80
Dynamic stabilizing current (peak)		kA	63, 80
4s thermal stabilizing current (rms)		kA	25,31.5
Rated insulation level	Lightning Impact Withstand Voltage	kV	185
	Main circuit 1min frequency withstand voltage	kV	95
Dimension(WxDxH)			1400x 2800x 2600
Protection level	Housing/Interior	mm	IP3X/IP2X
ZN85-40.5 vacuum circuit breaker rated parameters			
Rated Voltage		kV	40.5
Rated current		A	1250,1 600, 2000
Rated short-circuit breaking current		kA	25,31.5
Rated short-time closing current		kA	63， 80
Dynamic stabilizing current (peak)		kA	63, 80
4s thermal stabilizing current (rms)		kA	25,31.5
Rated insulation level	Lightning Impact Withstand Voltage	kV	185
	Main circuit 1min frequency withstand voltage	kV	95
Rated frequency		Hz	50
Rated sequence of operation			0-0.3s- CO-180s-CO
Mechanical life		time	10000
Closing time		ms	50~ 100
Split time		ms	35~ 60