

Product Overview and Features

KYN28A-12（Z）（GZS1）type

Armored move-open type a.c. metal-enclosed switchgear (hereinafter referred to as "switchgear") is suitable for three-phase a.c. 50HZ power system, used for accepting and distributing electric energy, and controlling, protecting and monitoring the electric circuit.

This product conforms to the standards: GB/T3906 "3~35kV AC metal-enclosed switchgear", GB/T11022 "Standard Common Technical Requirements for High Voltage Switchgear and Control Equipment", IEC60298 "AC Metal-enclosed Switchgear and Control Equipment with Rated Voltage of 1kV and Above".

Model Meaning

K Y N 28A - 12 (Z) / □ - □

- Rated breaking current (KA)
- Rated current
- Vacuum interrupter
- Rated voltage
- Design number
- Indoors
- Removable (trolley type)
- Metal Armored

Areas of application and environments of use

Widely used in coal mines, iron and steel mills, cement factories, building ceramics, textiles, 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, substations and power distribution rooms 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		
Switchgear technical parameters					
Rated insulation level	Rated voltage (V)	kV	3.6	7.2	12
	1min frequency withstand voltage	kV	24	32	42
Lightning impulse withstand voltage (full wave)		kV	40	60	75
Rated frequency		Hz	50		
Rated current		A	630,1250, 1600,2000,2500,3150,4000		
4s short-time withstand current		kA	20,25,31.5,40,50		
Rated peak withstand current		kV	50, 63,80,100, 125		
Protection class			Enclosure IP4X, IP2X for each compartment panel		
Vd4, VS1-12kV vacuum circuit breaker technical parameters					
Rated insulation level	Rated voltage (V)	kV	3.6、7.2、 12		
	1min frequency withstand voltage	kV	42		
Lightning impulse withstand voltage (full wave)		kV	75		
Rated frequency		Hz	50		
Rated current		A	630, 1250, 1600,2000,2500,3150,4000		
Rated short-circuit breaking current		kA	16,20,25,31.5, 40,50		
4s short-time withstand current		kV	16,20,25,31.5, 40,50		
Rated peak withstand current		kA	40,50,63,80,100, 125		
Rated sequence of operation			Switch off-0.3S-Switch on-off180S-Switch on-off		
Rated short-circuit breaking current ≥ 40kA sequence		次	50		