

Product Overview and Features

AYB-12/0.4KV-1250

Is the high-voltage switchgear, transformer, low-voltage switchgear trinity, complete sets of strong; high and low-voltage protection is perfect, safe and reliable operation, maintenance is simple; occupies an area of less, investment, short production cycle, easy to move; flexible and diverse wiring program;

Unique structure: unique honeycomb structure double-layer (composite board) shell firm, heat insulation and heat ventilation, beautiful, high protection level, shell materials are stainless steel titanium alloy, aluminum alloy, cold-rolled plate, color steel plate can be selected;

Various types: general-purpose, villa type, compact, etc.; high-voltage ring network cabinet can be assembled within the network automation terminal (FTU) to achieve reliable detection of short-circuit and single-phase grounding faults, with a "four-remote" function, to facilitate the upgrading of distribution network automation.

Model Meaning

A YB □ - 12/0.4 (FR) / □ - □ / □

- Mould: H: Ring network, Z: Endpoint
- Transformer capacity
- T: spring-loaded drill mechanism, S: manual mechanism
- Load switches, fuses
- Rated voltage (HV/LV)
- Design number
- Pre-assembled substations
- Enterprise code

Areas of application and environments of use

Widely used in coal mines, steel mills, hydroelectric power stations, solar photovoltaic projects and other outdoor places。

1. The surrounding air temperature: the highest temperature +40 ℃, the lowest degree -25 ℃;
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 GB17467-2010 《High-voltage / low-voltage pre-assembled substation》 stipulated in the normal conditions of use, by the user and the company to negotiate.

Main technical parameters

Name	Unit	High Voltage Electrical Appliances	Transformers	Low-voltage electrics
Rated voltage Ue	kV	7.2/12	6/04、10/0.4	0.4
Rated capacity Se	kVA		"目"shape: 200~1250	Maximum 2x 1250
			"品"shape: 50-800	
Rated currentle	A	200~ 630		100-3000
Rated Breaking Current	kA	Load switch400-630A		
		Combination of appliances depending on the fuse		15~63
Rated short-time withstand current (s)	kA	20x(2)	200-400kVA	15x 1
		31.5.50	400kVA	30x1
Rated peak withstand current	kA	12.5x(4)	200-400kVA	30
			400kVA	63
Rated closing current	kA	31.5、50		
Frequency withstand voltage 1min	kV	Relative and inter-phase30/42	Oil-dip: 35/5min	2kV at ≤300V
		Disconnection034/48	Dry type: 28/5min	2 5kV at 300,600V
Lightning strike	kV	Relative and inter-phase60/75	75	
		Disconnect075/85	75	
Noise level	dB		Oil-dip: <55	
			Dry type: <65	
Protection class			IP23D	
Overall dimensions	Depending on the program and the selected high and low voltage switchgear and transformers, different external dimensions are selected.			