

Product Overview and Features

AXHW-12

Pre-assembled closed ring network box is mainly used in 10kV cable ring network power supply or terminal power supply system for receiving and distributing electric energy. This product is equipped with AHN-12 series environmental protection gas insulated ring network cabinet produced by our company, which has the functions of fully insulated, fully sealed, dustproof, corrosion-resistant, maintenance-free, etc., and can realize the combination of different programs. Satisfy all kinds of knotting methods. The ring network cabinet in the ring network box can also be combined with 10kV power supply PT, distributed power module, DTU, communication and control terminals to realize the automation of medium-voltage distribution network, which greatly improves the reliability of urban power supply and distribution network. Its simple, convenient, flexible connection combination, economic, reliable, durable structure characteristics, become the first choice of equipment for distribution network cable project.

Pre-assembled closed ring box can be placed on both sides of the street, residential neighborhoods, urban green belts and other concentrated power areas.

Model Meaning

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- Rated short-time withstand current (kA)
- Rated current (A)
- Rated voltage (kV)
- Pre-assembled Enclosed Ring Grid Box
- Enterprise code

Areas of application and environments of use

Altitude: ≤4000m.
Ambient temperature: -40℃~+50℃, the average temperature within 24h does not exceed 35℃;
Ambient humidity: daily average value ≤ 95%, monthly average value ≤ 90%.
Installation environment: no violent vibration and shock, and no fire, explosion hazardous places;
Seismic capacity: 8 degrees, ground horizontal acceleration ≤ 0.4g; ground vertical acceleration ≤ 0.2g.
Note: If the operating environment exceeds the above range, please contact our company.

The internal configuration of solid insulated ring network cabinet is fully insulated, fully sealed, miniaturized, maintenance-free, etc., which can be protected from the influence of the external environment;

Adopt modular design. It can realize the free combination of different modules to meet the requirements of different power supply schemes:

Meet the upgrading requirements of distribution network automation:

There are many kinds of box materials for choice, and the protection level of the box reaches IP44.

Main technical parameters

Name		Load switch		Combined electrics	Circuit breaker	
Rated voltage		12kV		12kV	12kV	
Rated frequency		50Hz		50Hz	50Hz	
Rated current.		630A		125A	630A	
Rated frequency withstand voltage	Interphase, Relative	42kV		42kV	42kV	
	Isolated Break	48kV		48kV	48kV	
Rated lightning impulse withstand voltage	Interphase, Relative	75kV		75kV	75kV	
	Isolated Break	85kV		85kV	85kV	
Rated short-time withstand current		20kA/4s	25kA/4s	-	20kA/4s	25kA/4s
Rated peak withstand current		50kA	63kA	-	50kA	63kA
Rated short-circuit breaking current		-		31.5kA	20kA	25kA
Rated short-circuit closing current		50kA	63kA	80kA	50kA	63kA
Rated transfer current		-		1600A	-	
Rated active load breaking current		630A		-	630A	
Rated cable charging and breaking current		10A		-	-	
Annual leakage rate for environmentally friendly gases		≤0.01%				
Enclosure protection grade		IP44 W				

Ordering Information

1. The number of units, the number of inputs and outputs and the combination of optional models;
2. Design drawings;
3. Outdoor box material and appearance requirements。