

Product Overview and Features

XGN15-12 type

Indoor AC high-voltage sulfur hexafluoride ring network switchgear (hereinafter referred to as "ring network cabinet") is a new generation of compact and expandable metal-enclosed switchgear with sulfur hexafluoride load switch as the main switch, and the whole cabinet adopts air insulation, which is suitable for power distribution automation. Ring main unit is characterized by simple structure, flexible operation, reliable interlocking, etc. It can provide satisfactory technical solutions for different applications and different user requirements. The adoption of sensing technology and the latest protection relay, coupled with advanced technical performance and lightweight and flexible assembly program. The use of sensing technology and the latest protection relays, coupled with advanced technical performance and lightweight, flexible assembly solutions, can fully meet the changing requirements of the market.

Model Meaning

X G N 15 - 12 F(F.R) / □ - □

- Short-time imparted current
- Rated current
- Load switch (Fuse combination)
- Rated voltage
- Design number
- Indoor
- Fixed
- Box type

Areas of application and environments of use

Widely used in urban power grid renovation, residential neighborhoods, schools and industrial and mining enterprises and other power distribution places, ring network power supply units and terminal equipment, plays a role in the distribution of electric energy, control and protection of electrical equipment, can also be installed in the pre-installed box-type substation.

1. The surrounding ambient temperature -25 ℃ ~ 40 ℃;
2. Altitude: below 1000m;
3. Humidity: average daily relative humidity does not exceed 95%; average monthly relative humidity does not exceed 90%;
4. Anti-seismic capacity of 8 degrees;
5. No violent vibration, corrosion, fire, explosion hazardous places.

Main technical parameters

Name			Unit	Parameters
rated voltage			KV	12
Rated frequency			Hz	50
rated current			A	630
Fuse rated current			A	125
Rated short-time withstand current			KA	25
Rated short circuit duration			S	2
Rated short-circuit closing current			KA	63
Rated peak withstand current			KA	63
Rated load breaking current			A	630
Rated transfer opening current (with 125A fuse)			A	1700
Rated breaking current of fuse (RMS)			KA	31.5
Rated insulation level	1min frequency withstand voltage (RMS)	Between phases, Phase to ground	KV	42
		Opening distance	KV	48
	Lightning impulse withstand voltage (Peak)	Between phases, Phase to ground	KV	75
		Opening distance	KV	85
Secondary circuit 1min frequency withstand voltage			KV	2
protection class				IP3X
Three-phase center distance			mm	210±2
Overall dimensions	load switch cabinet	cabinet width	mm	375，500，750
		cabinet depth	mm	940
		cabinet height	mm	1635，1850
	low voltage room	heights	mm	450
Load switch mechanical life		Closing / Opening	time	5000
		Breakout/Earthing	time	1 000