

KXAIS-12

固体绝缘环网柜

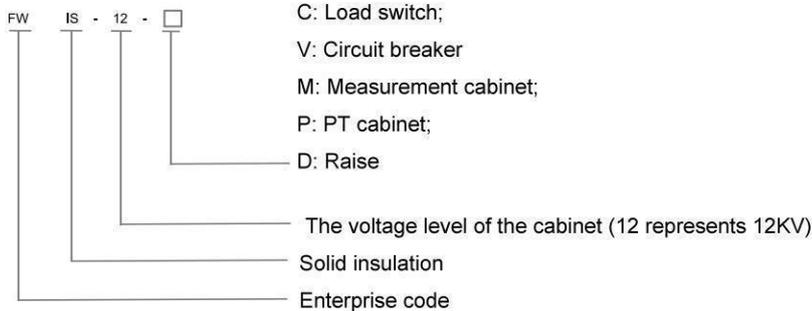
Solid insulation
ring main unit



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型号含义 Model meanings



产品特点 Product features

The KXAIS-12 series ring main unit is a fully insulated, fully sealed, and anti condensation ring network switchgear equipment that is based on solid sealing and vacuum insulation technology, and is independently developed using epoxy resin (APG process) to pour the three position switch (isolation, grounding), circuit breaker vacuum arc extinguishing chamber, and main circuit primary conductive components together to form the insulation component body. It is assembled from insulated busbars and other insulation connectors to form a fully insulated, fully sealed, and anti condensation ring network switchgear.

By using a circuit breaker vacuum arc extinguishing chamber and independently designing the electrical circuit connection and external structure of the insulation body, the structure of the insulation body is more reasonable in mechanical and electrical aspects. Conductive or semi conductive shielding technology is adopted on the surface of the insulation body to eliminate surface and partial discharge phenomena, truly achieving full insulation. Through independent research and development, we have designed insulated pull rods, transmission devices, and reliable interlocking operating mechanisms that meet the vacuum arc extinguishing requirements of circuit breakers.

By using rubber molding technology, the insulated pull rod and the fixed sealing unit pole are connected with insulated rubber to achieve full sealing, with a protection level of IP67.

技术参数 Technical parameters

Project		Parameters
	Rated voltage	7.2KV, 12KV, 24KV
	Impulse withstand voltage	60KV, 75KV, 125KV
	Power frequency withstand voltage	32KV, 42KV, 65KV
	Rated frequency	50/60Hz
母线 Busbar	Rated current	630A
	Rated short-circuit withstand current	20/4, 25/4 (K/Vs)
	Rated wind withstand current	50KA, 63KA
负荷开关 Load switch	Rated current	200/630A
	Rated breaking current	20KA, 25KA
	Rated short-circuit making current	50KA, 63KA
	Rated short-term withstand power	20/4, 25/4K/US
	Mechanical lifespan	10000 times

外形尺寸图 (mm) Overall dimension (mm)

