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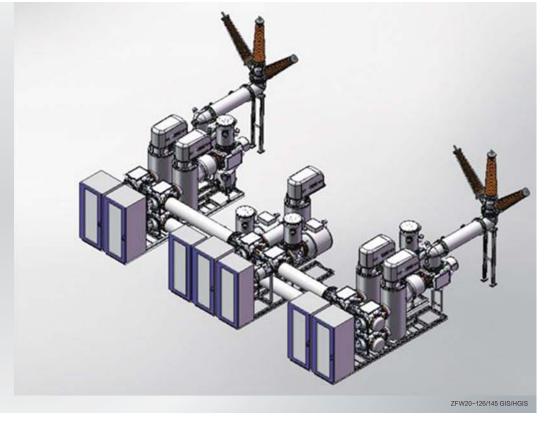
INTRODUCTION

ZFW20-126/145 GIS/HGIS is a new generation product independently developed by our company with proprietary intellectual property rights. Advanced self-energy are extinguishing technology and optimized insulation design in electric field are highly integrated in the product design. This type of GIS has passed all the type tests of AQTC in China, and gained test certification (of 50Hz) from KEMA, the Netherlands and certification (of 60Hz) from CESI, Italy. These type test certificates indicate that the insulation level, short-circuit capacity and current-carrying capability of the products are advanced in the whole industry.

The three phases of a whole ZFW20-126/145 GIS are housed in one common enclosure, with SF₄ as insulation and switching medium, suitable for both indoor and outdoor operation. Compared with other similar products, the GIS are designed in highly integrated modules with more concise and compact structure. They are securer and more reliable for operation, convenient for maintenance and use, and able to run in limited construction land of urban substations.

The authoritative domestic and international testing certification, advanced and mature modern manufacturing technology, and strict quality control system all guarantee the quality of our products.

Our company always adheres to the market-oriented and custom-centered business idea. We are capable of providing the best service during the whole project.



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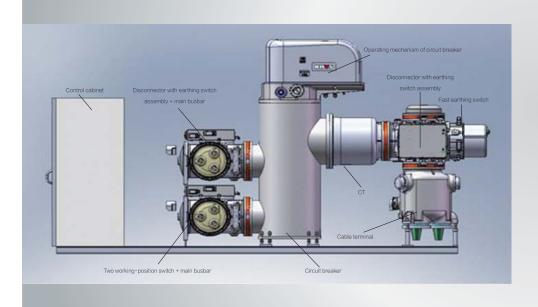
ZFW20



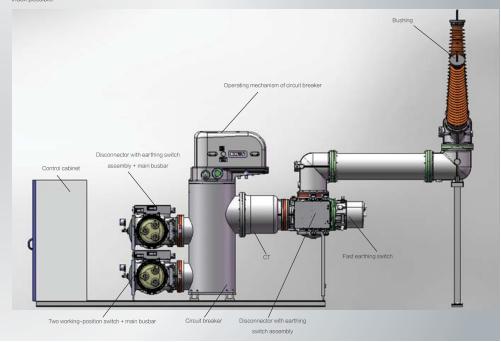
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OVERALL STRUCTURE

Generally, GIS/HGIS is composed of circuit breaker, disconnector, earthing switch, fast earthing switch, CT, busbar, bellows, cable terminal or bushing, and control cabinet, etc.. As per the requirement of electrical design, components like CT, surge arrester, and electroscope, etc., can be placed in the composite equipment. Intelligent components can also be inserted into the control cabinet.



ZFW20-126/145 products are smaller and lighter with all single units housed in a high-strength aluminum alloy casted or welded enclosure and with heteromorphosis casting conductors. All insulators of the products are casted by the imported modern casting production lines in our company, guaranteeing both the electrical and mechanical performance of insulating parts. Excellent electrical design and modern manufacturing technology make excellent technical parameters and performance index possible.



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MAIN TECHNICAL PARAMETERS

Item			Unit	Technical data	
Rated voltage			kV	126	145
Rated current			Α	3150	
Rated frequency			Hz	50	
Rated power frequency withstand voltage 1 min		Phase to earth	kV	230	275
		Across open contacts		230(+73)	315
Rated lightning impulse withstand voltage peak		Phase to earth	kV	550	650
		Across open contacts		550 (+103)	750
Rated short circuit breaking current			kA	40	
Rated short circuit making current			kA	100	
Rated short time withstand current and duration time			kA/s	40/4	
Rated peak withstand current			kA	100	
Radio interference voltage			μV	500	
SF₀ gas pressure (at 20℃ gauge pressure)		CB gas compartment	MPa	0.6	
		Other gas compartments	IMPa	0.5	
SF ₆ gas leakage rate for each gas compartment			%/year	0.5	
SF₅ gas humidity	Gas compartment with arcing decomposer	Acceptance value	μL/L	150	
		Permissible value for long time operation		300	
	Gas compartment without arcing decomposer	Acceptance value		250	
		Permissible value for long time operation		500	
CB operating mechanism				Spring operating mechanism	
DS operating mechanism				Motor operating mechanism	
ES operating mechanism				Motor operating mechanism	
FES operating mechanism				Motor spring operating mechanism	
Applicable standards				GB、DL、IEC	

Note: special orders can be made if customer's requirement exceeds above-mentioned technical data.