

## Technical data

Table 1 Switchgear

Switchgear model	HICLAD 20GC		
Switchgear type	BGC-24		
Applicable standards	IEC62271-200		
Classification of switchgear	SF <sub>6</sub> -insulated metal-enclosed		
Service condition	● Altitude < 1000m	● Ambient temperature Max. 40°C, Min. -5°C 24h. average < 35°C	● Relative humidity 24h.average < 95% 1 month average < 90%
Rated voltage (kV)	24		
Rated current (A)	1250		
Rated frequency (Hz)	50/60		
Insulation level	1 min power frequency (kV rms)	50	
	1.2 × 50 μs impulse (kV peak)	125	
Rated short-time withstand current (kA-s)	25-3		
Degree of protection	HV compartment	IP65	
	LV compartment	IP40	
Gas pressure	Rated pressure (MPa)	0.05	
	Alarm pressure (MPa)	0.02	
Operation of 3-position isolator	Manual		
Auxiliary voltage	Control circuit (V)	DC 30, 110, 125	
	Motor circuit (V)	AC 220, 230, 240 / DC 110, 125	

Table 2 Vacuum Circuit-Breaker (VCB)

VCB model	VGC-22		
Applicable standards	IEC62271-100		
Rated voltage (kV)	24		
Rated current (A)	1250		
Rated frequency (Hz)	50/60		
Insulation level	1 min power frequency (kV rms)	50	
	1.2 × 50 μs impulse (kV peak)	125	
Rated short-circuit breaking current (kA)	25		
Rated short-circuit making current (kA peak)	63		
Rated short-time withstand current (kA-s)	25-3		
Operating duty	O-0.3sec-CO-3min-CO		
Rated closing time (s)	0.05		
Rated opening time (s)	0.05		
Rated break time (s)	0.07		
Rated TRV for terminal fault	Rate of rise (kV/μs)	0.47	
	TRV peak voltage (kV)	41	
Type of operating mechanism	Motor charged spring		