

HKYN28-12KV 移出式开关柜 INDOOR HV/AC MIDDLE DRAWABLE SWITCHGEAR



■ 1.0 Switchgear Technical parameters

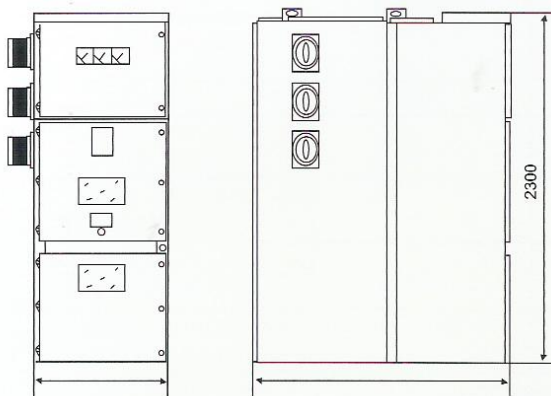
Parameters		Unit	Data
Rated Voltage		KV	3、6、10
Max.operating Voltage		KV	3.6、7.2、12
Rated insulation level	Power frequency withstanding voltage (1min)	KV	42
	Lightning impulse withstanding voltage		75
Rated frequency		Hz	50
Main busbar Rated current		A	630、1250、1600、2000、2500、3150、4000
Branch busbar Rated current		A	630、1250、1600、2000、2500、3150、4000
3s thermal withstanding current(effective value)		KA	16、20、25、31.5、40、50
Rated dynamic steady current(peak)*			40、50、63、80、100、125
Protection type		IP4X,for housing、 when the circuit breaker compartment door is open IP2X	

■ 2.0 Main technical parameters for vacuum circuit breaker VS1

Rated voltage	KV	10
Max.voltage	KV	12
Rated current	A	630~4000
Rated short circuit interrupting current	KA	25~40
Rated short circuit closing current	KA	63~100
4s thermal withstanding current (effective value)	KA	20~40
Rated dynamic steady current (peak)	KA	63~100
Number of openings at rated short-circuit current	Times	50
Rated operation sequence		O-0.3s-CO-180s-CO

Power frequency withstanding voltage	KV	42(lmin)
Lightning impulse withstanding voltage	KV	75
Mechanical service life	Times	20000
Rated interrupting current for a single capacitor group	A	630
Rated interrupting current for back-to-back capacitor group	A	400
Rated operating voltage for ON/OFF coil	V	AC220、110; DC220、110
Power of ON/OFF coil	W	245
Rated voltage of charging motor	V	DC110、220
Charging time underrated voltage	s	≤15
Non-simultaneity in closing/opening between three phases	ms	≤2
Contact bouncing time at closing	ms	≤2
Closing time	ms	≤100
Opening time	ms	≤50
Arcing time	ms	≤15
Average opening velocity	m/s	0.9~1.2
Average opening velocity	m/s	0.6~0.8
Resistance of the main circuit of each phase		≤40

■ Outline dimensions for switchgear



A	B	L1	B1	Reference weight Kg
650	1400	380	315	700
800	1500	530	315	800
	1600 Overhead			900
1000	1500	730	490	1100
	1600 Overhead			1200
900	1700 (With3AH5 ZN65A)	660	415	1000