

## 2.0 Main Specifications and Technical Parameters

No.	Description	Unit	Parameters		
1	Rated voltage	KV	12/15/17.5		
2	Rated power frequency withstand voltage (1min)		42/48		
3	Rated lightning impulse/fracture withstand voltage (peak)		75/95		
4	Rated frequency	HZ	50		
5	Rated current	A	630、1250	630、1250、1600、2000、3150	1250、1600、2000、2500、3150、4000
6	Rated short-circuit breaking current	KA	20、25	31.5	40
7	Rated short-circuit making current		50、63	80	100
8	Rated peak withstand current		50、63	80	100
9	Rated thermal stability current (effective value)		20	31.5	40
10	Rated short-circuit duration	S	4		
11	Rated operations of short-circuit breaking current	Number of cycles	30	30	30
12	Mechanical life		30000		
13	Rated current breaking cycles (electrical life)		30000	30000	20000
14	Rated single/back to back capacitor bank breaking current	A	630/400(40KA为800/400)		
15	Phase-to-phase spacing	mm	210、275		
16	Contacts spacing		10 ± 1		
17	Contact overtravel		3 ± 0.5		
18	Allowable wearing accumulation thickness of dynamic and static contacts		3		
19	Time interval between opening of first and last phase of three phase circuit-breaker	ms	≤ 2		
20	Bouncing time of contactor closed		≤ 2 ( 40KA ≤ 3 )		
21	Average opening speed	m/s	0.8-1.2		
22	Average closing speed		0.5-0.8		
23	Opening time	ms	≤ 50		
24	Closing time		≤ 70		
25	Rated operating sequence		O <sub>0.3s</sub> CO <sub>180s</sub> CO		O <sub>180s</sub> CO <sub>180s</sub> CO

Note 1: 3,150-4,000A requires forced air cooling;