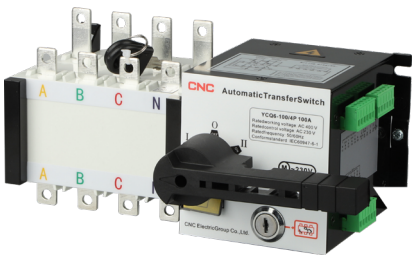


## Distribution Apparatus

# YCQ6 Automatic Transfer Switch



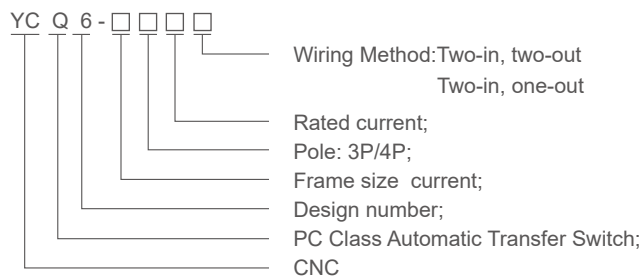
### General

1. YCQ6 series automatic transfer switch is applicable in AC50/60Hz, rated voltage of AC400V, and distribution the rated current from 16A to 3200A. In motor network, there is a primary and standby power, or as the utility to generator in loading changeover. Meanwhile, it used to insulate in unfrequent connection break circuit as the standby power.
2. This products are widely used in hospitals, banks, high-rise architecture and so on where are very important places with no electric failure allowed for power supply, distribution and automatic system.

PS: when using bridge type connection, please instruct if it applies to the line end or the outlet end.

Standard: IEC 60947-6-1

### Type designation



### Features

1. Double row composite contact, side pull mechanism, micromotor pre-storage and microelectronic control technology are adopted to achieve zero flash (no arc extinguishing chamber).
2. Reliable electromechanical interlock, and each component is implemented independently with isolation switch for safe and reliable use.
3. Using over zero technology, the state of emergency can be enforced under the zero (cut down the 2 ways in the meanwhile) to meet the needs of Fire Fighting.
4. The execution load isolation switch is driven by a single motor, and the conversion is reliable, smooth, no noise and small impact.
5. The operator only implements the isolated drive of the electrical load by switching the transient current, and it can work stably without providing current, and the energy saving is significant.
6. Executive load disconnecter chain with a mechanical device used to ensure that reliable standby power of non-interference in each other.
7. Obvious off position indicator, padlocks and other functions, high reliability and service life of more than 8000 times.
8. Mechatronics design, switching conversion accurate, flexible, smooth and adopt international advanced logic control technology, anti-interference capability, without external interference.
9. Cooperation with the main power on and standby power off, or the main power off and standby on, the main power and standby power are both off, three kinds stability working. (I-O-II)
10. Easy to install and the control circuit uses direct plug terminal.
11. Four operation modes: emergency manual operation, electric remote control operation, emergency disconnected operation under the automatic state, automatic control operation.

B

## Distribution Apparatus

# YCQ6 Automatic Ttransfer Switch

### Technical data

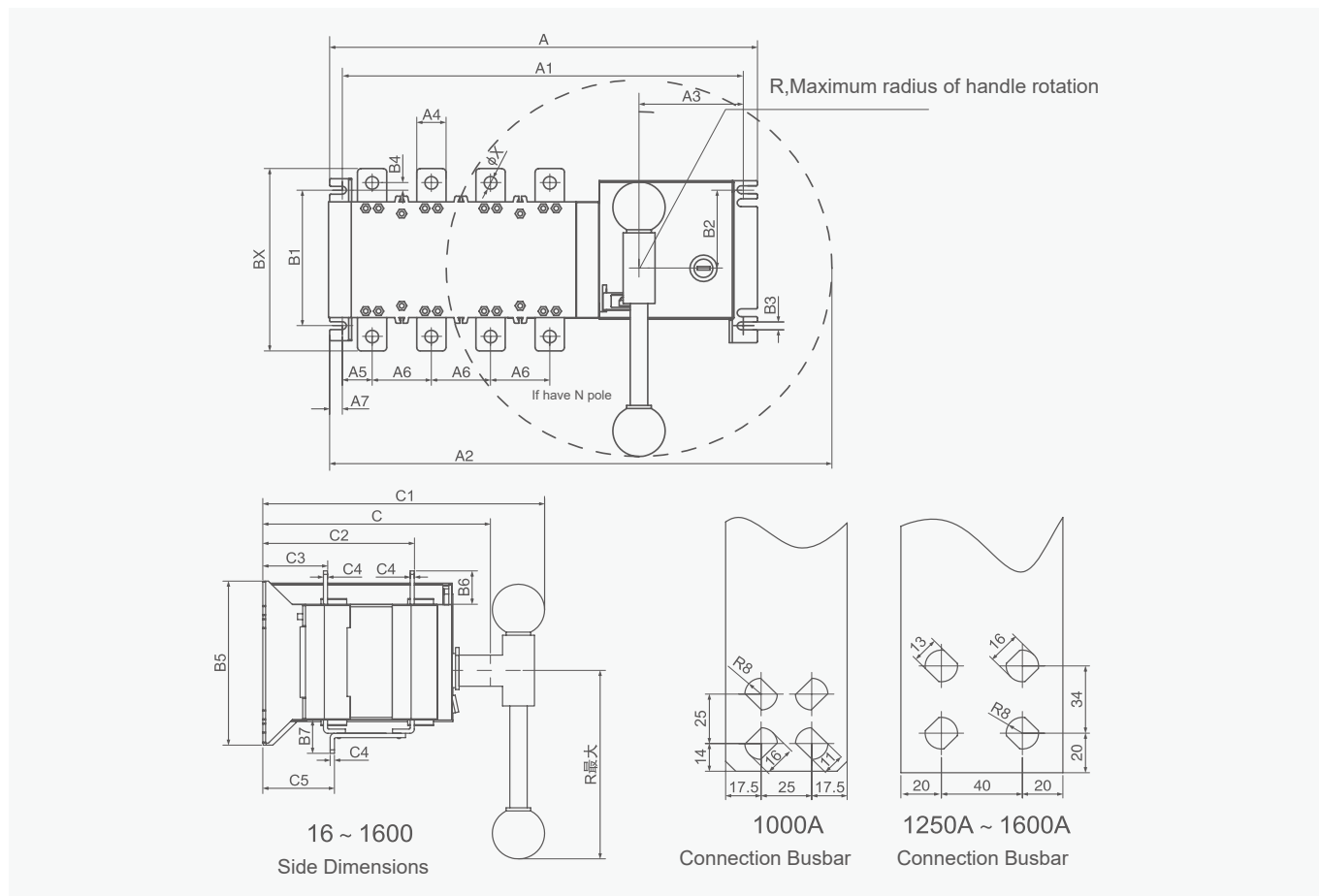
Frame class	100									160		250		630		1600				3200		
Rated current In(A)	16	20	25	32	40	50	63	80	100	125	160	200	250	400	630	800	1000	1250	1600	2000	2500	3200
Rated insulation voltage(Ui)	500V														800V							
Rated concussion withstand voltage(Uimp)	6KV														8KV							
Rated working voltage(Ue)	AC400V																					
Using category	AC-33iB																					
Rated short-circuit connection capacity	8KA									17KA				67KA								
Rated short-time withstand current(Icw)	5KA/30ms									10KA/60ms				12.6KA /60ms								
Transfer time I-II or II-I	≤ 3s														≤ 5s							
Control voltage	AC230V																					
Rated frequency	Start	20W									325W		355W	400W	440W		600W					
	Normal										62W		74W	90W	98W		120W					

## Distribution Apparatus

# YCQ6 Automatic Ttransfer Switch

### Overall and mounting dimensions(mm)

Installation dimensions(16~1600A)



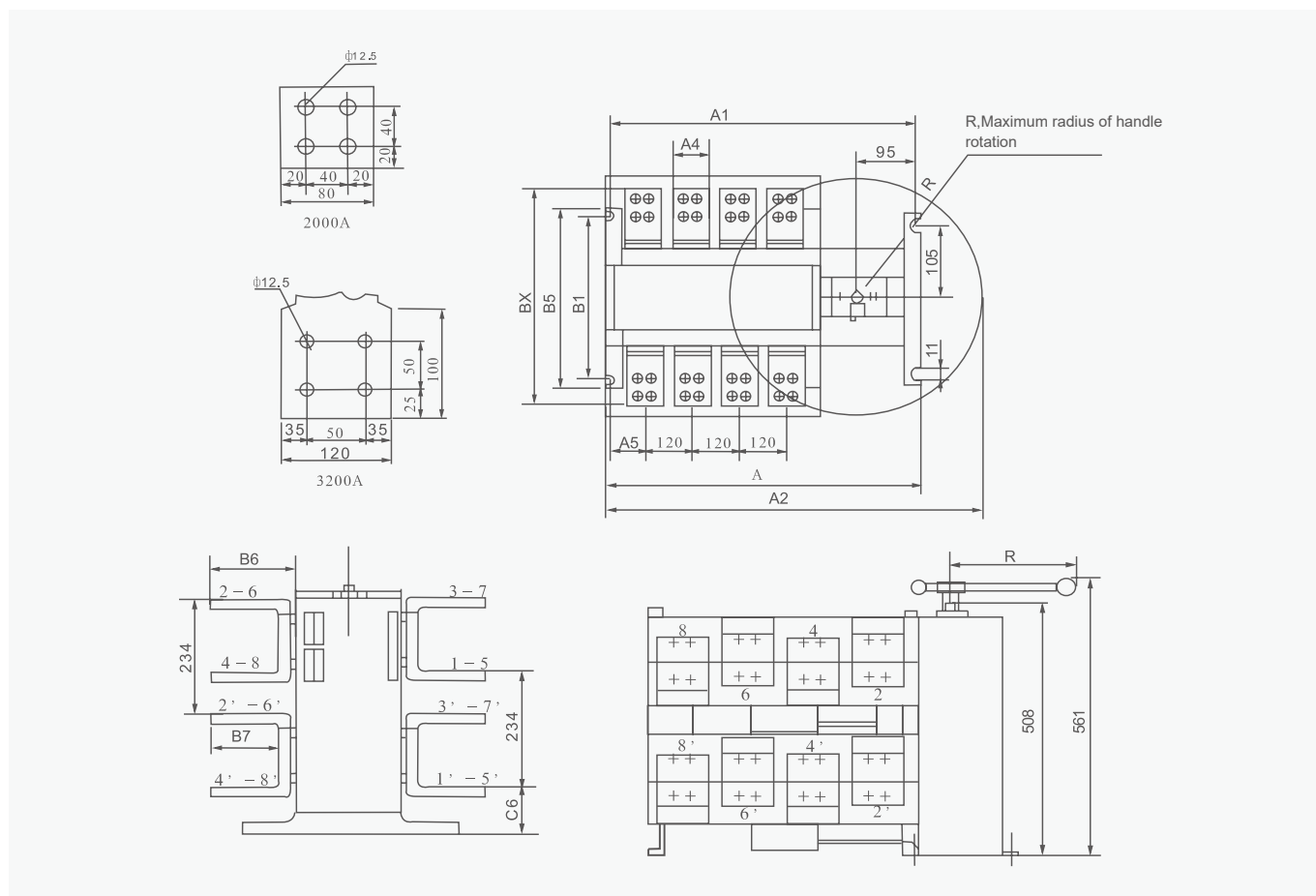
**B**

Specification	Total size																							
	A	A1	A2	A3	A4	A5	A6	A7	BX	B1	B2	B3	B4	B5	B6	B7	C	C1	C2	C3	C4	C5	ΦX	R
100A/3P	232	222	258	83	14	15	30	5	128	84	43	7		106			146	169	92	40	2.5	67.5	6	114
100A/4P	244	234	268	83	14	15	30	5	128	84	43	7		106			146	169	92	40	2.5	67.5	6	114
250A/3P	270	252	325	95	20	20	36	7	143	103	52	6.4	4	141	25	33	194	230	126	56	3.5	59	8.5	153
250A/4P	308	288	352	98	20	22	36	7	143	101	52	6.4	4	141	25	33	194	230	129	59	3.5	62	8.5	153
400A/3P	315	300	366	93	25	28	50	7	184	107	52	6.4	16	141	30	44	209	247	146	64	3.5	67	10.7	153
400A/4P	369	350	413	97	25	28	50	7	184	108	52	6.4	16	141	30	44	211	249	145	63	3.5	67	10.7	153
630A/3P	374	358	608	92	32	39	65	7	262	179	95	8.7	17	218	40	62	273	313	196	84	5	84	11	335
630A/4P	433	416	663	95	32	39	65	7	262	179	97	8.7	17	218	40	62	273	313	197	84	5	84	11	335
800A/3P	374	358	608	92	40	39	65	7	269	179	95	8.7	17	218	48	61	273	313	196	84	5	84	12	335
800A/4P	433	416	663	95	40	39	65	7	269	179	97	8.7	17	218	48	61	273	313	197	84	5	84	12	335
1000A/3P	520	500	867	85	60	65	120	9	343	220	112	11		250	53	90	330	385	253	110	8	110		440
1000A/4P	633	613	980	85	60	65	120	9	343	220	112	11		250	53	90	330	385	253	110	8	110		440
1250A/3P	520	500	867	85	80	65	120	9	367	220	112	11		250	69	98	330	385	253	110	8	110		440
1250A/4P	633	613	980	85	80	65	120	9	367	220	112	11		250	69	98	330	385	253	110	8	110		440
1600A/3P	520	500	867	85	80	65	120	9	372	220	112	11		250	69	102	330	385	254	111	10	111		440
1600A/4P	633	613	980	85	80	65	120	9	372	220	112	11		250	69	102	330	385	254	111	10	111		440

## Distribution Apparatus

# YCQ6 Automatic Ttransfer Switch

Installation dimensions(2000~3200A)



Specification	A	A1	A2	A4	A5	BX	B1	B5	B6	B7	C6	R
2000A/3P	534	493	855	80	15	446	220	250	123	94	102	438
2000A/4P	649	608	970	80	15	446	220	250	123	94	102	438
2500A/3P	534	493	855	80	20	460	220	250	128	94	102	438
2500A/4P	649	608	970	80	22	460	220	250	128	94	102	438
3200A/3P	534	493	855	120	28	496	220	250	147	112	105	438
3200A/4P	649	608	970	120	28	496	220	250	147	112	105	438