

1. Application

CJX1 series AC contactors are suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~475A under AC-3 duty. It is mainly used for making/breaking electric circuit at a long distance & for frequent starting/stopping & with thermal relay to compose a magnetic motor starter. The product conforms to IEC60947-4-1 standard.

2. Specification

Type	CJX1-9 CJX1-12	CJX1-16 CJX1-22	CJX1-32	CJX1-45 CJX1-63	CJX1-75 CJX1-85	CJX1-110 CJX1-140	CJX1-170 CJX1-205	CJX1-250 CJX1-300	CJX1-400 CJX1-475	
Mechanical endurance(x10 ⁶)	10	10	10	8	8	8	8	8	8	
Conventional thermal current(A)	20	30	45	80	100	160	210	300	400/550	
Rated insulation voltage(V)	660	660	660	1000	1000	1000	1000	1000	1000	
Rated(380V) operating current(A)	AC-3	9/12	16/22	32	45/63	75/85	110/140	170/205	250/300	400/475
	AC-4	3.3/4.3	7.7/8.5	15.6	24/28	34/42	54/68	75/96	110/125	150
Power of controllable motor(kW) AC-3	380V	4/5.5	7.5/11	15	22/30	37/45	55/75	90/110	132/160	200/250
	660V	5.5/7.5	11	23	39/55	67	100	156	235	375
Power of controllable motor(kW) AC-4	380V	1.4/1.9	3.5/4	7.5	12/14	17/21	27/35	38/50	58/66	81
	660V	2.4/3.3	6/6.6	13	20.8/24	29.5/36	46.9/60	66/86	100/114	140
Frequency of operation (l/h)	AC3	1000	750	750	1200/1000	1000/850	1000/750	700/500	700/500	500/420
	AC4	250	250	250	400/300	300/250	300/200	200/130	200/130	150
Electrical endurance (x10 ⁶)	AC3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	AC4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Operating voltage range of coil	(0.8~1.1)Ue									
Power consumption of coil	Attracting (VA)	10	10	12.1	17	32	39	58	84	115
	Starting (VA)	68	69	101	183	330	550	910	1430	2450
Rated insulation voltage of auxiliary contacts(V)	690	690	690	690	690	690	690	690	690	
Conventional thermal current of auxiliary contacts(A)	10	10	10	10	10	10	10	10	10	
Rated operating current of auxiliary contacts(A)	AC15 380/220	6/10	6/10	4/6	4/6	4/6	4/6	4/6	4/6	4/6
	DC13 220V	0.45	0.45	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Rated voltage of the control coil(V)	50Hz	24,36,48,110,127,220,380,etc								
	60Hz	24,110,220,440,etc.								



CJX1-9,12



CJX1-16,22



CJX1-32

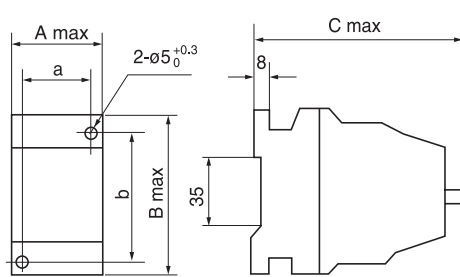


CJX1-45~85

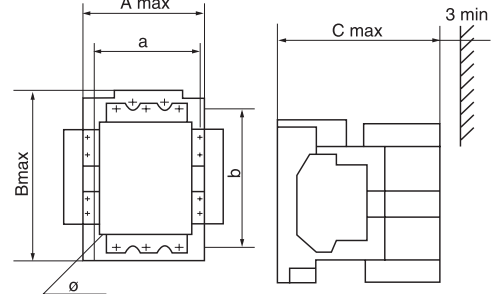
3. Outline and Mounting Dimension



CJX1-110,140



CJX1-0.9~32 (Table 1)



CJX1-45~475 (Table 2)

Table 1

Type	A max	B max	C max	a	b
CJX1-9,12	45	78.5	104(90)	35+0.31	60+0.37
CJX1-16,22	46	85	114	35+0.31	75+0.37
CJX1-32	74	88	108	50+0.31	75+0.37

Table 2

Type	A max	B max	C max	a	b	ø
CJX1-45,63	91(114)	120	124	70+0.6	100+0.2	4.8
CJX1-75,85	102(125)	135	142	80+0.6	100+0.2	5.5
CJX1-110,140	122(145)	156	154	100+0.2	130+0.8	6.5
CJX1-170,205	140(163)	185	190	100+0.2	160+0.8	7
CJX1-250,300	150(173)	205	200	120+0.2	180+0.8	9
CJX1-400,475	165(188)	205	225	130+0.8	180+0.8	9



CJX1-170~475

CJX1-N Mechanical Interlocking Contactor



CJX1-09~32N

Type	Rated thermal current (A)	Rated operation current (A)		Controllable power of motor (kW)			
				AC 3		AC 4	
		380V	660V	380V	660V	380V	660V
CJX1-09N	20	9	3.3	4	5.5	1.4	2.4
CJX1-12N	20	12	4.3	5.5	7.5	1.9	3.3
CJX1-16N	30	16	7.7	7.5	11	3.5	6
CJX1-22N	30	22	8.5	11	11	4	6.6
CJX1-32N	45	32	15.6	15	23	7.5	13
CJX1-45N	45	38	18.5	18.5	23	9	15.5
CJX1-63N	70	45	24	22	39	12	20.8
CJX1-75N	70	63	28	30	55	14	24.3
CJX1-85N	90	75	34	37	67	17	29.5
CJX1-110N	90	85	42	45	67	21	36
CJX1-140N	150	110	54	55	100	27	46.9
CJX1-170N	150	140	68	75	100	35	60
CJX1-205N	180	170	75	90	156	38	66
CJX1-250N	220	205	96	110	156	50	86
CJX1-300N	300	250	110	132	235	58	100
CJX1-400N	300	300	125	160	235	66	114



CJX1-45~400N



CJX2-D09



CJX2-D25



CJX2-D50



CJX2-D95

1. Application

CJX2 series AC Contactor is suitable for using in the circuits up to the rated voltage 660V AC 50/60Hz, rated current up to 620A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The product conforms to IEC60947-4-1 standard.

2. Specification

Type		CJX2-D09	CJX2-D12	CJX2-D18	CJX2-D25	CJX2-D32	CJX2-D40	CJX2-D50	CJX2-D65	CJX2-D80	CJX2-D95
Rated working current (A)	AC3	9	12	18	25	32	40	50	65	80	95
	AC4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
Standard power ratings of 3-phase motors 50/60Hz in category AC-3 (kW)	220/230V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	22	25	30	37	45
	415V	4	5.5	9	11	15	22	25	37	45	45
	500V	5.5	7.5	10	15	18.5	22	30	37	55	55
	660/690V	5.5	7.5	10	15	18.5	30	33	37	45	55
Rated heat current (A)		20	20	32	40	50	60	80	80	125	125
Electrical life	AC3 (x10 ⁴)	100	100	100	100	80	80	60	60	60	60
	AC4 (x10 ⁴)	20	20	20	20	20	15	15	15	10	10
Mechanical life (x10 ⁴)		1000	1000	1000	1000	800	800	800	800	600	600
Number of the contacts		3P+NO					3P+NC+NO				
		3P+NC									

Type		CJX2-D115	CJX2-D150	CJX2-D170	CJX2-D205	CJX2-D245	CJX2-D300	CJX2-D410	CJX2-D475	CJX2-D620
Rated working current (A)	AC3	115	150	170	205	245	300	410	475	620
	AC4	52	60	75	85	105	117	138	147	180
Standard power ratings of 3-phase motors 50/60Hz in category AC-3(kW)	220/230V	30	40	55	63	75	100	110	147	200
	380/400V	55	75	90	110	132	160	220	265	335
	415V	59	80	100	110	132	180	220	280	375
	500V	75	90	110	129	160	200	250	355	400
	660/690V	80	100	110	129	160	220	280	355	450
Rated heat current (A)		200	250	250	275	315	400	500	700	1000
Electrical life	AC3 (x10 ⁴)	200	60	60	50	50	50	30	30	20
	AC4 (x10 ⁴)	15	15	15	15	15	15	8	8	5
Mechanical life (x10 ⁴)		300	300	300	300	300	300	100	100	100

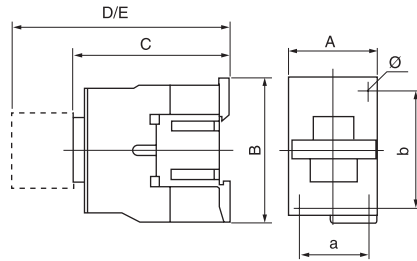
3. Standard Control Circuit Voltage

Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6	-	-
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	-	-

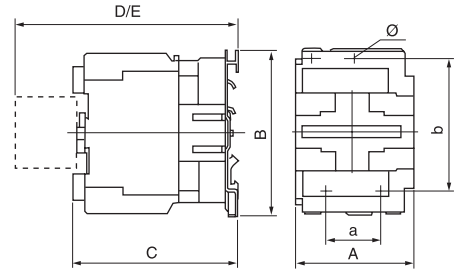
4. Outline and Mounting Dimension



CJX2-D115



CJX2-D09~32



CJX2-D40~95

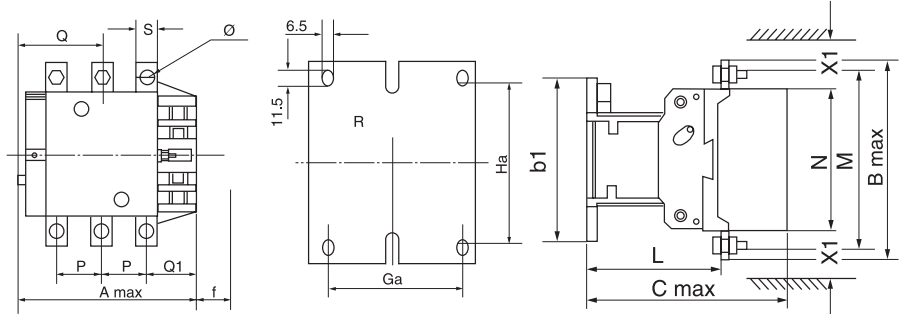
Type	A	B	C	D	E	a	b	Ø
CJX2-D09~12	47	76	82	113	133	34/35	50/60	4.5
CJX2-D18	47	76	87	118	138	34/35	50/60	4.5
CJX2-D25	57	86	95	126	146	40	48	4.5
CJX2-D32	57	86	100	131	151	40	48	4.5
CJX2-D40~65	77	129	116	145	165	40	100/110	6.5
CJX2-D80~95	87	129	127	175	195	40	100/110	6.5



CJX2-D205

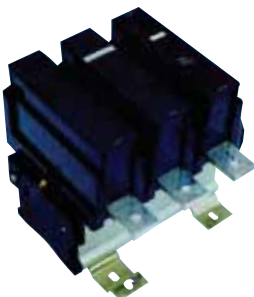


CJX2-D300



CJX2-D115~620

Type	A	B	C	b1	P	Q	S	Q1	M	N	L	Ø	Ga	Ha
CJX2-D115	158	120	132	158	35	60	17	25	134	96.2	75	M6	-	-
CJX2-D150	158	120	132	158	35	60	17	25	134	96.2	75	M6	-	-
CJX2-D170	158	120	132	158	35	60	17	25	134	96.2	75	M6	-	-
CJX2-D205	168.5	174	181	137	40	69	20	59.4	154	127	113.5	M8	80	120-106
CJX2-D245	168.5	197	181	137	48	69	25	51.5	172	127	113.5	M10	80	120-106
CJX2-D300	213	206	219	145	48	91	25	74	181	158	145	M10	80	120-106
CJX2-D410	213	206	219	209	48	91	25	74	181	158	145	M10	80	120-106
CJX2-D475	233	238	232	209	55	108	30	77	208	172	146	M10	80	180
CJX2-D620	309	304	255	280	80	140	40	89	264	202	155	M12	80	180



CJX2-D620

5. Auxiliary Contact Block



LA1-DN11

Appellation	Type	
Auxiliary instantaneous contactor block, contactor I	LA1-DN10C	
	LA1-DN01C	



LA1-DN22

Appellation	Type	
Auxiliary instantaneous contactor block, contactor II	LA1-DN11C	
	LA1-DN20C	
	LA1-DN02C	

Appellation	Type	
Auxiliary instantaneous contactor block, contactor IV	LA1-DN40C	
	LA1-DN31C	
	LA1-DN22C	
	LA1-DN13C	
	LA1-DN04C	



LA8-DN11

Appellation	Type	
Auxiliary instantaneous contactor block, contactor IV	LA1-DN40C	
	LA1-DN31C	
	LA1-DN22C	
	LA1-DN13C	
	LA1-DN04C	

Appellation	Type	
Side-mounted auxiliary module	LA8-DN11C	
	LA8-DN20C	

6. LA2 Time Delay Auxiliary Contact Block




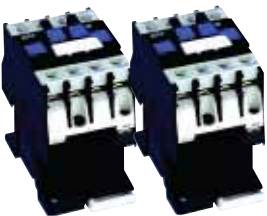














LA2-DT2

Appellation	Type	
Auxiliary instantaneous contactor block, contactor IV	0.1...3S LA2-DT0	
	0.1...30S LA2-DT2	
	10...180S LA2-DT4	
	1...30S LA2-DS2	

Appellation	Type	
Time delay auxiliary contactor block releasing and delay	0.1...3S LA3-DT0	
	0.1...30S LA3-DT2	
	10...180S LA3-DT4	

7. Characteristic

Contactor	Auxiliary Blocks	Relative products
	+ 	→  Time-delay contactor
	+ 	→  Reversing contactor
	+ 	→  Magnetic starter
	+ 	→  Changover capacitor contactor
	+  + 	→  Star-delta starter