

CJX2-115~780

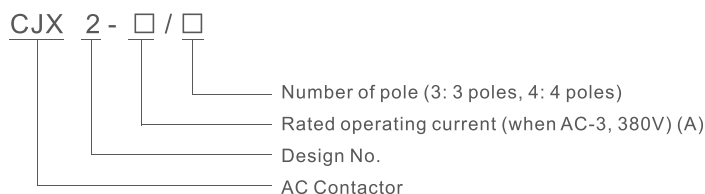
Series AC Contactor



Application

CJX2 series AC Contactor is mainly used in the circuit of AC 50Hz or 60Hz, rated operating voltage up to 690V, rated operating current up to 780A, for the use of remotely connecting and breaking the circuit, it also can be combined with thermal relay into electromagnetic starter to protect the circuit's overloaded operations. It conforms to the standard IEC/EN60947-4-1

Model No.



Normal operating condition and installation condition

- 3.1 Ambient temperature: +5℃~+40℃, average temperature within 24h does not exceed +35℃
- 3.2 Altitude: does not exceed 2000m
- 3.3 Atmospheric condition: when the highest temperature is +40℃, the relatively humidity does not exceed 50%; it can allow relatively high humidity when it is at relatively low temperature, for instance, it reaches 90% when it is at +20℃, it should take measurement when there have condensation occurred due to the temperature variation.
- 3.4 Pollution grade: 3
- 3.5 Installation category: III
- 3.6 Installation position: the gradient of the mounting surface to the vertical surface does not exceed $\pm 5^\circ$
- 3.7 Impact and vibration: product should be installed and used at the places without obvious shake, impact and vibration.

Main technical parameter

- 4.1 Main specification
 - 4.1.1 Rated current: 115, 150, 185, 225, 265, 330, 400, 500, 630, 780A
 - 4.1.2 Rated control power voltage of coil U_s : AC 50Hz, 36, 48, 110, 220, 380, 415, 440, 660V (special voltage can be customized).
- 4.2 Main parameter and technical performance index of contactor to see table 1

AC CONTACTOR

table 1

Model				CJX2-115	CJX2-150	CJX2-185	CJX2-225	CJX2-265	CJX2-330	CJX2-400	CJX2-500	CJX2-630	CJX2-780
Main con- tacts	Conventional heating current(≤40℃) Ith A			200	200	275	275	315	380	450	630	800	1500
	Rated current (A)	AC-3	380V	115	150	185	225	265	330	400	500	630	780
	Max. power of controllable three- phase squirrel cage type motor kW	AC-3	380V	63	80	100	110	140	180	200	250	335	400
			660V	80	100	110	129	160	220	280	335	450	470
			1000V	63	75	100	132	160	200	250	300	450	450
	Operation frequency times/h (AC-3)			1200		600							
	Electrical life (100000 times/h) (AC-3)			120		100							
	Mechanical life (10000 times/h)			1000		600							
Coil	Control voltage Us			AC 36, 48, 110, 220, 380, 415, 440, 660V									
	Pull-in voltage 50/60Hz V			(0.85~1.1)Us									
	Release voltage 50/60Hz V			(0.2~0.7)Us									
	Coil power	50Hz	Pull-in VA	660	660	966	966	840	840	1380	1380	2076	2100
			Hold VA	54	54	66	66	12	12	22	24	30	50
Suited fuse (SCPD)		Model		RDT16 (NT)-1	RDT16 (NT)-1	RDT16 (NT)-2	RDT16 (NT)-2	RDT16 (NT)-2	RDT16 (NT)-3	RDT16 (NT)-3	RDT16 (NT)-3	RDT16 (NT)-3	RDT16 (NT)-4
		Rated current		200	250	315	315	400	500	500	500	630	1000
Auxiliary contacts				Can be added with F4, LA2-D/LA3-D type air delay contacts									

Dimensions

Overall dimension and installation dimension to see table 2 and fig 1~4

table 2

mm	CJX2-115		CJX2-150		CJX2-185		CJX2-225		CJX2-265		CJX2-330		CJX2-400		CJX2-500		CJX2-630	
	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
A max	167	204	167	204	170	211	170	211	202	247	218	261	215	261	235	288	310	389
B max	163	163	171	171	175	175	175	175	203	203	210	210	210	210	240	240	304	304
C max	172	172	172	172	183	183	183	183	215	215	223	223	223	223	235	235	257	257
P	37	37	40	40	40	40	48	48	48	48	48	48	48	48	55	55	80	80
S	20	20	20	20	20	20	25	25	25	25	25	25	25	25	30	30	40	40
Ø	M6	M6	M8	M8	M8	M8	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12
f	131	131	131	131	131	131	131	131	147	147	147	147	147	147	150	150	181	181
M	147	147	150	150	154	154	172	172	178	178	181	181	181	181	208	208	264	264
H	124	124	124	124	127	127	127	127	147	147	158	158	158	158	172	172	202	202
L	107	107	107	107	113.5	113.5	113.5	113.5	141	141	145	145	145	145	146	146	155	155
X1 200~500V	10	10	10	10	10	10	10	10	10	10	10	10	15	15	15	15	20	20
X1 660~1000V	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	30	30
Ga	80	80	80	80	80	80	80	80	96	96	96	96	80	80	80	80	180	180
Ha	106~119		106~119		106~119		106~119		106~119		106~119		170~180		170~180		180~190	

Note: 1. f: Min. distance required by each coil.
2. X1: the arcing distance which is determined by the rated voltage and breaking capacity.

Dimensions

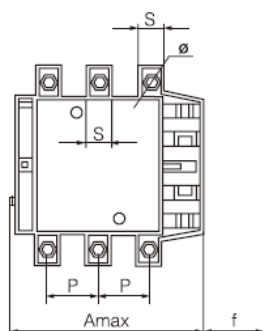


Fig1 CJX2-115~330

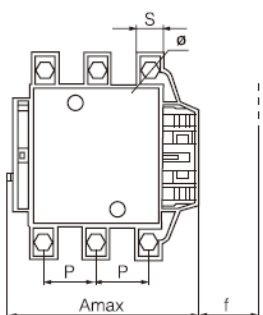
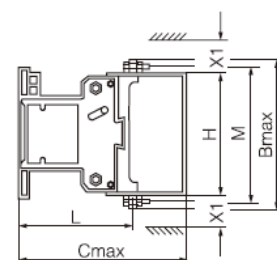
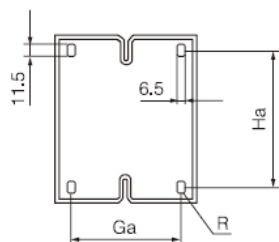


Fig2 CJX2-400~500

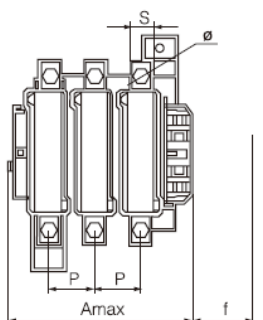
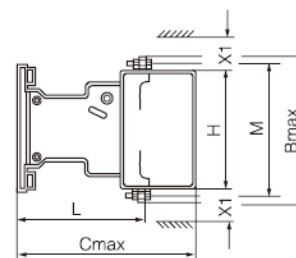
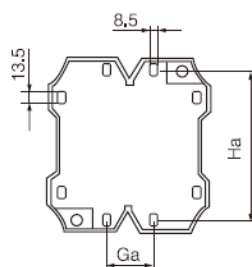


Fig 3 CJX2-630

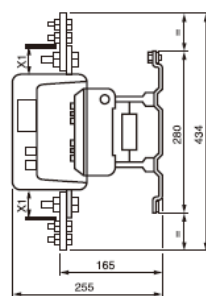
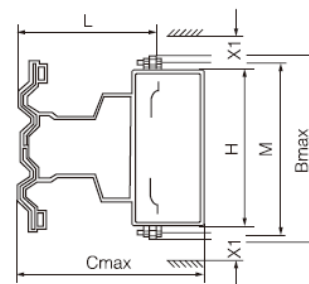
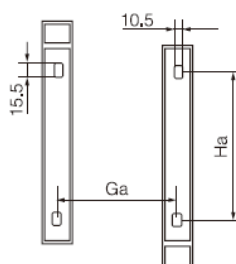


Fig 4 CJX2-780

