

## CJX2-Z(LP1-D) Series DC Contactor

### Application

CJX2-Z series DC operated AC contactor is suitable for power systems with AC 50Hz (or 60Hz), rated voltage up to 690V, and rated current up to 95A. For frequent connection and disconnection of AC circuits over long distances, its main control object is the electric motor, and it can also be used to control other loads such as welding machines, capacitor banks, electric heating devices, lighting equipment, etc. The product complies with standards such as GB/T14048.4 IEC60947-4-1.



### Normal working and installation conditions

Weekly air temperature:  $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$ , with an average value within 24 hours not exceeding  $+35^{\circ}\text{C}$ ; Altitude: not exceeding 2000m.

Atmospheric conditions: When the maximum temperature is  $+40^{\circ}\text{C}$ , the relative humidity of the air does not exceed 50%. High relative humidity can be allowed at low temperatures, such as reaching 90% at  $+20^{\circ}\text{C}$ . Special measures should be taken to prevent occasional condensation caused by temperature changes.

Pollution, etc: 3

Installation category: III

Installation position: The inclination between the installation surface of the contactor and the vertical surface shall not exceed  $\pm 5^{\circ}$

Shock and vibration: The product is installed and used in a place without vibration, shock, and vibration.

### Structural characteristics

The three-dimensional layout allows for the installation of auxiliary contact groups and air delay heads above the modular combination structure, which is beneficial for expanding functions. Auxiliary contacts can be installed on both sides.

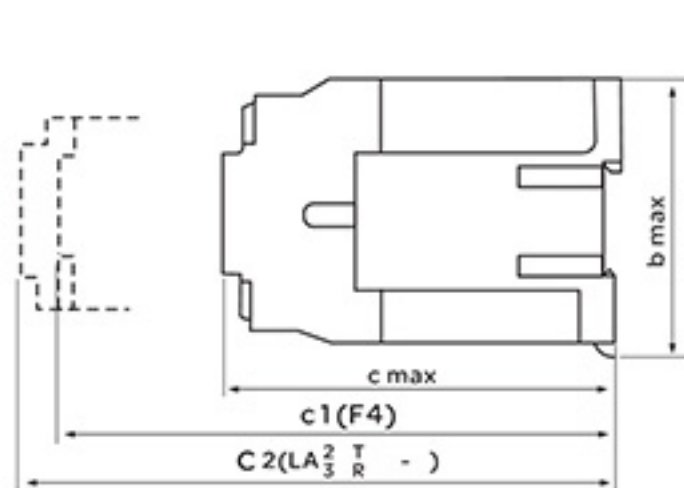
The contact adopts a double break point and forced friction structure, with self-cleaning function.

The contact is numbered, intuitive, and easy to install.

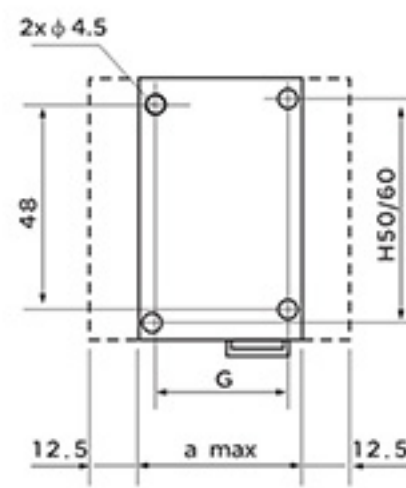
## Technical Parameter

parameter		model	CJX2-09Z	CJX2-12Z	CJX2-18Z	CJX2-25Z	CJX2-32Z	CJX2-40Z	CJX2-50Z	CJX2-65Z	CJX2-80Z	CJX2-95Z										
rated working current $I_e$ A(AC-3)	380V		9	12	18	25	32	40	50	65	80	95										
	660V		6.6	8.9	12	18	21	34	39	42	49	49										
Rated control power (kW) (AC-3)	380V		4	5.5	7.5	11	15	18.5	22	30	37	45										
	660V		5.5	7.5	10	15	18.5	30	37	37	45	45										
Rated thermal current			25	25	32	40	50	60	80	80	125	125										
Rated operational voltage			660V																			
Rated insulation voltage			690V																			
AC-3	lifespan $10^4$		100	100	100	100	80	80	60	60	60	60										
	operating frequency $h^{-1}$		1200	1200	1200	1200	600	600	600	600	600	600										
AC-4	lifespan $10^4$		20	20	20	20	20	15	15	15	10	10										
	operating frequency $h^{-1}$		300	300	300	300	300	300	300	300	300	300										
Mechanical lifespan (10000 cycles)			1000	1000	1000	800	800	800	800	800	800	600										
Auxiliary contact	Thermal current		10A																			
		AC-15(360VA)	(AC-3)																			
		DC-13(33W)	(AC-3)																			
Minimum load			6V 10mA																			
Coils	Rated control voltage $U_s$		DC: 24V 48V 110V 220V																			
	Pickup voltage		85%-110% $U_s$																			
	Release voltage		0.1-0.7 $U_s$																			
	The coil power(W)is less than		11	11	11	13	13	22	22	22	22	22	22									
Wiring terminals can be wired $mm^2$	Number of wires		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
	Flexible cable		2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	16	16	16	16	50	25	50	25
	Hard wire		4	4	4	4	6	6	6	-	10	10	10	10	25	-	25	-	50	-	50	-

## Appearance and installation dimensions

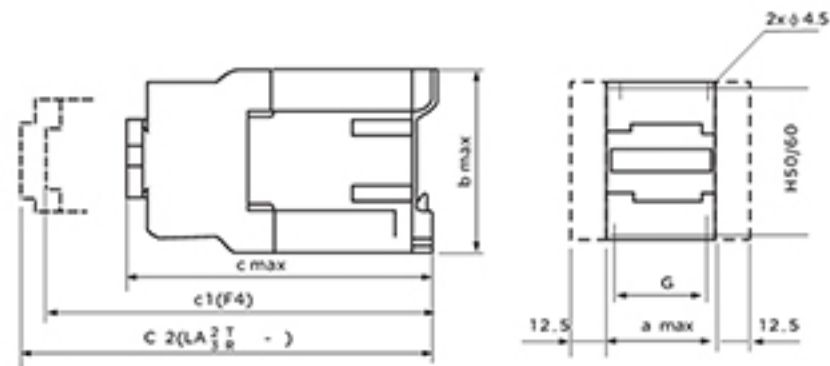


CJX2-09Z, 12Z, 18Z



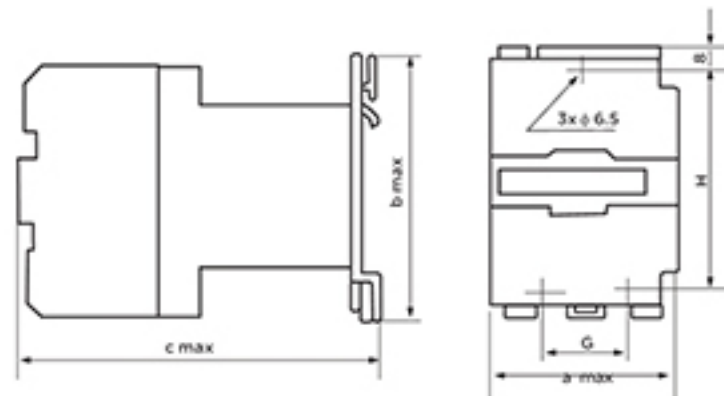
C: CJX2-Z; C1: CJX2-Z+F4; C2: CJX2-Z  $\frac{2}{3}$  LA  $\frac{T}{R}$  -

model	a max	b max	c max	G	C1	C2	H
CJX2-09-12Z	45	75	115	35	145	172	50-60
CJX2-18Z	45	75	120	35	150	177	50-60



C: CJX2-Z; C1: CJX2-Z+F4; C2: CJX2-Z  $\frac{2}{3}$  LA  $\frac{T}{R}$  -CJX2-09Z, 12Z, 18Z

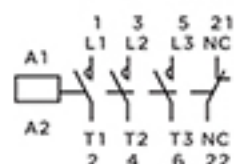
model	a max	b max	c max	G	C1	C2	H
CJX2-25Z	58	80	130	40-50	160	187	50-60
CJX2-32Z	58	80	136	40-50	166	193	50-60



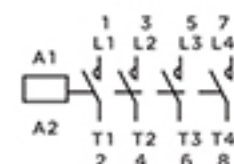
model	a max	b max	c max	G	H
CJX2-40, 50, 65Z	79	128	172	40	50-60
CJX2-80, 95Z	86	128	182	40	50-60



CJX2-0910Z-3210Z



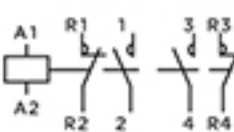
CJX2-0901Z-3201Z



CJX2-09004Z-32004Z



CJX2-09008Z-25008Z



CJX2-40008Z-95008Z



CJX2-4011Z-9511Z