

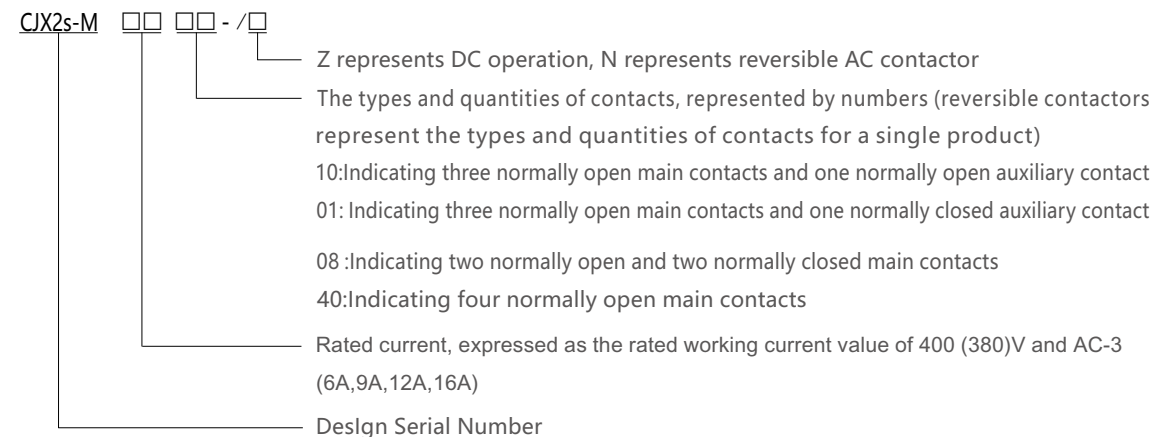
## CJX2s-M AC Contactor

### Product Overview

CJX2s-M series AC Contactor with novel appearance and compact structure is suitable for using starting & controlling the AC motor frequently, switching on and off the circuit at a long distance. It is used in combination with thermal relay to compose a magnetic motor starter.

Standard: IEC 60947-1, IEC 60947-4-1.

### Model and Meaning

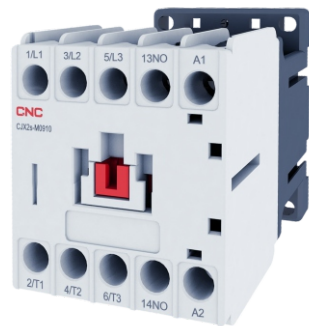


### Specifications

- Rated operation current(Ie): 6-16A;
- Rated operation voltage(Ue): 220V~690V;
- Rated insulation voltage: 690V;
- Poles: 3P、4P;
- Installation: Din rail and screw installation

### Operating and Installation Conditions

Type	Operating and Installation Conditions
Installation category	III
Pollution level	3
Certification	CE, CB, CCC, TUV
Protection degree	Ip20
Ambient temperature	limit of temperature: -35°C~+70°C, normal temperature: -5°C~+40°C, The average no more than +35°C within 24 hours. If not in normal operating temperature range, please refer to "Instructions for abnormal environment"
Altitude	≤2000m
Ambient temperature	The maximum temperature of 70 degrees, the air relative humidity not exceed 50%, under lower temperature can allow for higher relative humidity. If the temperature is 20°C, the air relative humidity could up to 90%, Special measures should be taken for occasional condensation due to humidity changes.
Installation position	Inclination between installation surface and vertical surface should not exceed ±5°
Shock vibration	Products should be installed and used without significant shake, shock and vibration place.



## CJX2s-M AC Contactor

### Specifications

#### CJX2s Specifications



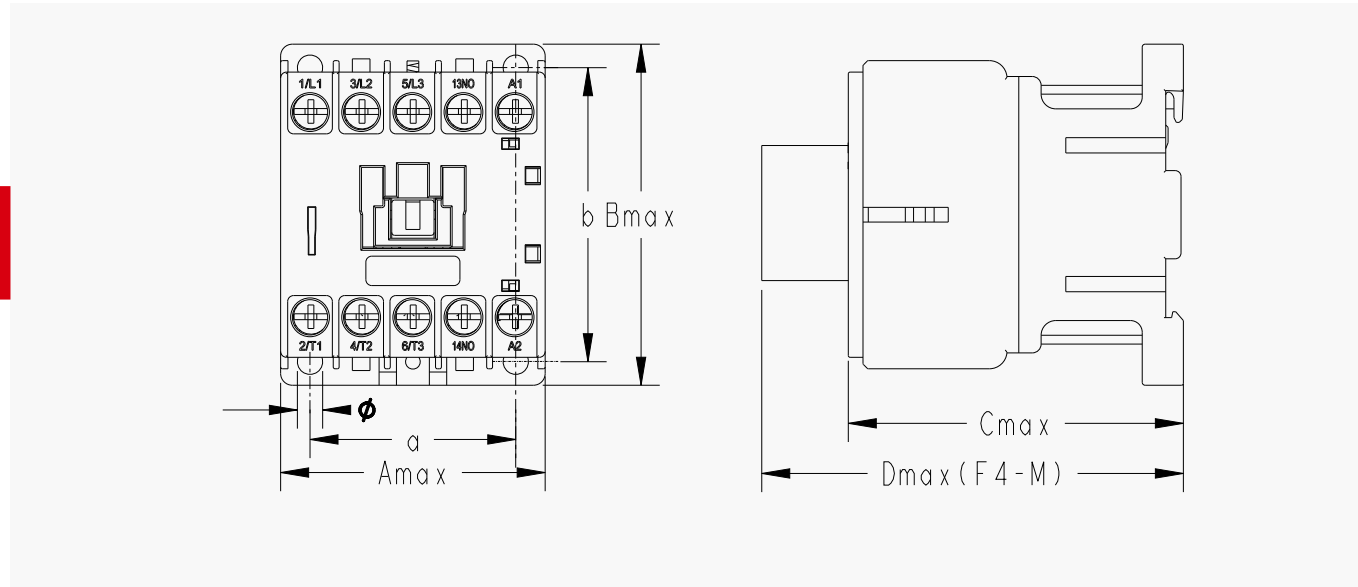
Type	CJX2s-M06		CJX2s-M09		CJX2s-M12		CJX2s-M16	
Main circuit characteristic								
Poles	3P/4P							
Rated insulation voltage(Ui)	V		690					
Rated operating voltage(Ue)	V		380/400, 660/690					
Rated thermal current(Ith), AC-1	20							
Rated operation current(Ie)	AC-3,380/400V	A	6	9	12	16		
	AC-3,660/690V	A	3.8	4.9	4.9	4.9		
	AC-4,380/400V	A	6	9	9	12		
	AC-4,660/690V	A	3.8	4.9	4.9	4.9		
Rated operational power(Pe)	AC-3,380/400V	kW	2.2	4	5.5	7.5		
	AC-3,660/690V	kW	3	4	4	4		
Mechanical life			1200					
Electrical life	AC-3	10000 times	120					
	AC-4	See electrical life curve						
Frequency of operation	AC-3	times/hour	1200					
	AC-4	300						
Connecting capability of main circuit terminal								
Flexible wire	1 wire	mm <sup>2</sup>	1...4					
No terminal	2 wire	mm <sup>2</sup>	1...4					
Flexible wire	1 wire	mm <sup>2</sup>	1...4					
With terminals	2 wire	mm <sup>2</sup>	1...2.5					
Hard wire	1 wire	mm <sup>2</sup>	1...4					
No terminal	2 wire	mm <sup>2</sup>	1...4					
Fastening torque			N·m					
Coil								
Rated control voltage(Us)	50Hz	V	24, 36, 48, 110, 127, 220, 380, 415					
	50/60Hz	V	24, 36, 48, 110, 127, 220, 380, 415					
	DC	V	12, 24, 36, 48, 110, 127, 220					
Allowed control circuit voltage(Us)	Operation	V	Installation inclination angle ±22.5°: 85%~110%Us; Installation inclination angle±5°: 70%~120%					
	Release(AC)	V	Installation inclination angle ±22.5°: 20%~75%Us; Installation inclination angle±5°: 20%~60%					
	Release(DC)	V	Installation inclination angle ±22.5°: 10%~75%Us; Installation inclination angle±5°: 10%~60%					
Power consumption of coil	Actuation	VA	20-40					
	Keep	VA	9.5					
	Consumption	W	1-3					
Auxiliary contacts								
Auxiliary contacts specification	A		1NO/1NC					
Rated thermal current (Ith)	A		10					
Rated operating voltage (Ue)	AC	V	380/400					
	DC	V	220					
Rated control capacit	AC-15	VA	Ue/Ie: AC380V/400V/1.5A Ith: 10A					
	DC-13	W	Ue/Ie: DC220V/0.3A					
Certification	CCC, CE, TUV, CB							

## Motor Control and protection Inverter & Soft-Starter

### CJX2s-M AC Contactor

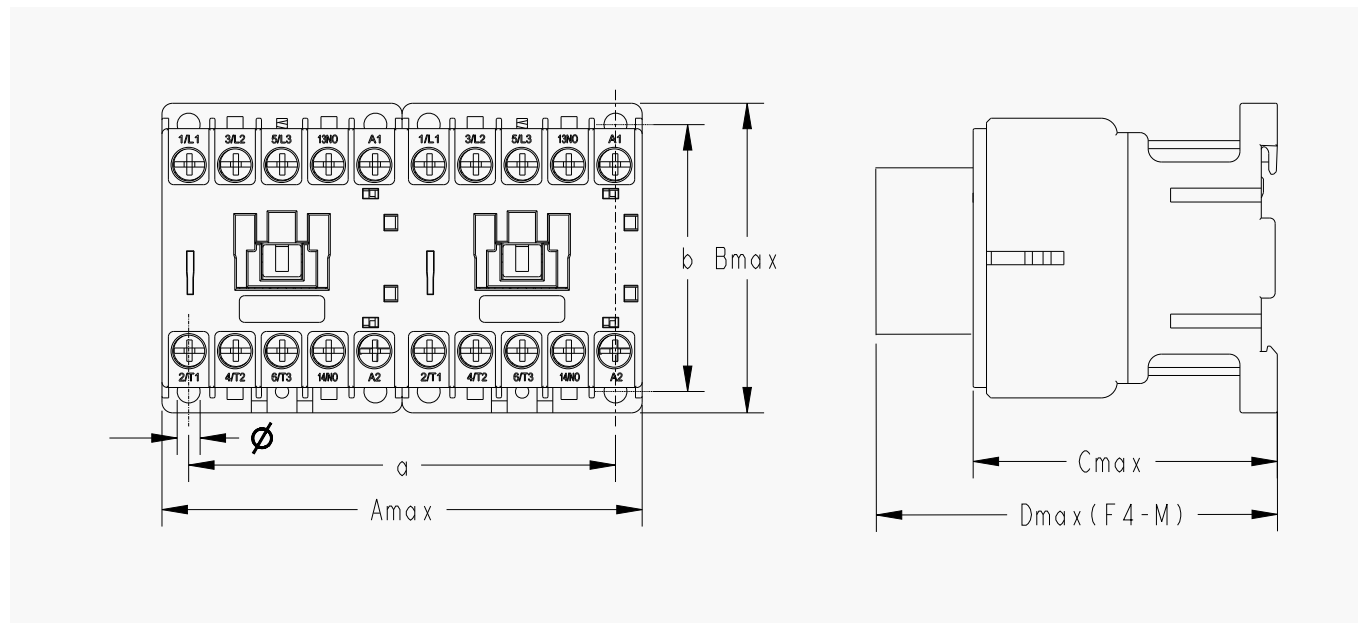
#### Overall and Mounting

Installation and overall dimensions of CJX2s-M06~M16 series AC contactor



Type	Amax	Bmax	Cmax	Dmax	a	b	φ
CJX2s-M06-M16	45.5	59	58	94	35±0.35	50±0.48	4.2
CJX2s-M06/Z-M16/Z	45.5	59	70	106	35±0.35	50±0.48	4.2

Installation and overall dimensions of CJX2s-M06/N~M16/N series AC contactor



Type	Amax	Bmax	Cmax	Dmax	a	b	φ
CJX2s-M06/N-M16/N	91	59	58	94	80±0.35	50±0.48	4.2
CJX2s-M06/Z/N-M16/Z/N	91	59	70	106	35±0.35	50±0.48	4.2

## Motor Control and protection Inverter & Soft-Starter

### CJX2s-M AC Contactor

F4-M Auxiliary contact group

Type	Product	Configuration of contacts	
		Number of N/O contact	Number of N/C contact
F4-M20 F4-M11 F4-M02		2 1 0	0 1 2
F4-M40 F4-M31 F4-M22 F4-M13 F4-M04		4 3 2 1 0	0 1 2 3 4


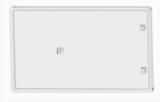




FS-M Surge suppression module

Model of Surge Suppression Module	Product	Control Voltage
FS-M		AC/DC:24V-48V AC/DC:110V-240V AC/DC:380V-440V

Derived Products When The Contactor is Assembled With Following Accessory Module

Derived products	Contactor	Accessory modular	Picture
Reversing contactor			
Auxiliary Contact			

### CJX2s-M AC Contactor

Derived products	Contactor	Accessorial modular	Picture
dust cover			
Electromagnetic Starter			

### CJX2s-M AC Contactor selection table

Motor power kW		Maximum operation current A (AC-3 380V/400V)	Number of contacts contained in the contactor body		Contactor model
380V/400V	660V/690V		NO	NC	
2.2	3	6	1	0	CJX2s-M0610
2.2	3	6	0	1	CJX2s-M0601
2.2	3	6	0	0	CJX2s-M0604
2.2	3	6	0	0	CJX2s-M0608
4	4	9	1	0	CJX2s-M0910
4	4	9	0	1	CJX2s-M0901
4	4	9	0	0	CJX2s-M0904
4	4	9	0	0	CJX2s-M0908
5.5	4	12	1	0	CJX2s-M1210
5.5	4	12	0	1	CJX2s-M1201
5.5	4	12	0	0	CJX2s-M1204
5.5	4	12	0	0	CJX2s-M1208
7.5	4	16	1	0	CJX2s-M1610
7.5	4	16	0	1	CJX2s-M1601
7.5	4	16	0	0	CJX2s-M1604
7.5	4	16	0	0	CJX2s-M1608

### CJX2s-M AC Contactor

### CJX2s-M AC Contactor Coil voltage specification table

AC(V) 50Hz	24	36	48	110	127	220	380	415
AC(V) 60Hz	24	36	48	110	127	220	380	415
AC(V) 50/60Hz	24	36	48	110	127	220	380	415
DC(V)	12	24	36	48	110	127	220	-

### Instructions for use of correction factors in high altitude areas

Altitude (m)	2000	3000	4000
Rated impulse withstand voltage correction factor	1	0.88	0.78
Rated operation current correction factor	1	0.92	0.90

### Instructions for use under abnormal ambient temperature

Ambient temperature (°C)	55	60	65	70
Correction factor	1	0.93	0.875	0.75