CJX2N Series AC Contactors

1. Application

CJX2N series AC contactor is suitable for frequency 50/60Hz,rated insulation voltage up to 1000V,rated operation current 9~150A under AC-3 duty.It is mainly used for making/breaking electric circuits at a long distance & for frequent starting/stopping & controlling AC Motors.It is used in combination with thermal relay to compose a magnetic motor starter. The products comply with IEC60947-4-1 standard.

CJX2N-09

CJX2N-25

CJX2N-50

2. Specification

Type		CJX2N -09	CJX2N -12	CJX2N -18	CJX2N -25	CJX2N -32	CJX2N -38	CJX2N -40
Rated working current Ie (A) AC-3 Ue ≤440V		9	12	18	25	32	38	40
Rated heat current Ith (A)		25	25	32	40	50	50	60
Rated insulation voltage Ui (V)		690	690	690	690	690	690	1000
Rated operating voltage Ue (V) Max		690	690	690	690	690	690	1000
Rated operational power in AC-3 Pe (kW)	220/230V	2.2	3	4	5.5	7.5	9	11
	380/400V	4	5.5	7.5	11	15	18.5	18.5
	415/440V	4	5.5	9	11	15	18.5	22
	500V	5.5	7.5	10	15	18.5	18.5	22
	660/690V	5.5	7.5	10	15	18.5	18.5	30
Rated operational power in AC-4 Pe (kW)	220/230V	1.5	1.5	2.2	3	4	4	4
	380/400V	2.2	3.7	4	5.5	7.5	7.5	9
	415/440V	2.2	3	3.7	5.5	7.5	7.5	9/11
	500V	3	4	5.5	7.5	9	9	11
	660/690V	4	5.5	7.5	10	11	11	15
Frequency of operation (I/h)		1200	1200	1200	1200	1000	1000	1000
Electrical endurance ($x10^4$)	AC-3	100	100	100	100	80	80	80
	AC-4	20	20	20	20	20	20	15
Mechanical endurance ($x10^6$)		15	15	15	15	15	15	6
Operating voltage range of coil	Close voltage:(0.85~1.1)Us				Open voltage:(20%~75%)Us			
Power consumption of coil (VA)	Atracting	7	7	7	7	7	7	20
	Starting	70	70	70	70	70	70	200
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA				DC-13:33W			

CJX2N-80

CJX2N-115

CJX2N-150

Type		CJX2N -50	CJX2N -65	CJX2N -80	CJX2N -95	CJX2N -115	CJX2N -150
Rated working current Ie (A) AC-3 Ue≤440V		50	65	80	95	115	150
Rated heat current Ith (A)		80	80	125	125	200	200
Rated insulation voltage Ui (V)		1000	1000	1000	1000	1000	1000
Rated operating voltage Ue (V) Max		1000	1000	1000	1000	1000	1000
Rated operational power in AC-3 Pe (kW)	220/230V	15	18.5	22	25	30	40
	380/400V	22	30	37	45	55	75
	415/440V	25/30	37	45	45	59	80
	500V	30	37	55	55	75	90
	660/690V	33	37	45	45	80	100
Rated operational power in AC-4 Pe (kW)	220/230V	5.5	7.5	7.5	9	9	11
	380/400V	11	11	15	15	18.5	22
	415/440V	11	11/15	15	15	18.5	22
	500V	15	18.5	22	22	30	37
	660/690V	18.5	22	25	25	30	45
Frequency of operation (l/h)		1000	1000	750	750	750	750
Electrical endurance ($x10^4$)	AC-3	60	60	60	60	60	60
	AC-4	15	15	10	10	15	15
Mechanical endurance ($x10^6$)		6	6	4	4	4	4
Operating voltage range of coil	Close voltage:(0.85~1.1)Us			Open voltage:(20%~75%)Us			
Power consumption of coil (VA)	Atracting	20	20	20	20	22	22
	Starting	200	200	200	200	300	300
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W			

3. Standard Control Circuit Voltage

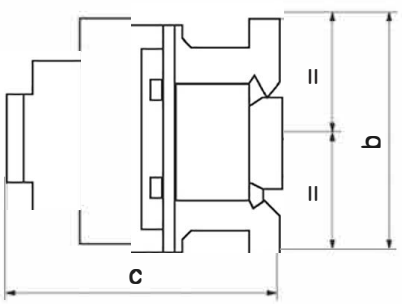
Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6		
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7		

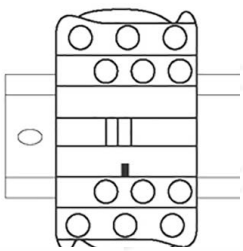
4. Characteristic

Contactor and other auxiliary blocks.

Contactor	Auxiliary Blocks	Relative Products
 +	 Delay timer →	 Time-delay contactor
 +	 Thermal relay →	 Magnetic starter
 +	 Auxliary block →	 AC Contactor

5. Outline and Mounting Dimension





	09	12	18	25	32	38	40	50	65	80	95	115	150
b	76.6	76.6	76.6	76.6	76.6	76.6	127	127	127	127	127	158	158
c	87	87	87	94	94	94	116	116	116	123.8	123.8	132	132