

1. APPLICATION RANGE

CJX1 Series AC contactor is suitable for the circuit of AC 50 (or60)Hz, rated operating voltage to 690V, the rated current up to 400A when the usage category of AC-3, rated operating voltage is 380V, for remotely connecting and breaking the circuit, and it can be combined with JRS2 (3UA) into electromagnet starter to protect the circuit's over load produced by operation.

This product confirms to: GB14048.4, IEC60947-4-1, etc. standards



2. Model and its implication

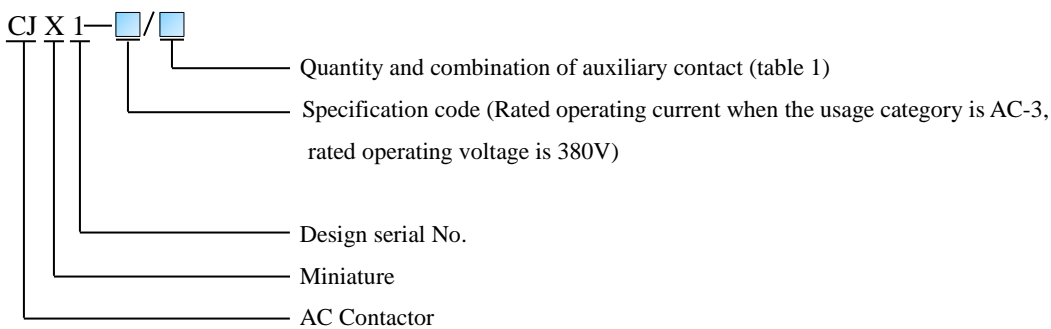


Table 1

Code for auxiliary contact		22	33	44
Quantity of contact	NO	2	3	4
	NC	2	3	4

Note: 1. The default combination of auxiliary contact is “2NO 2NC”

2. Auxiliary contact for above 32A can be: “3 NO 3NC” or “4NO 4NC”



3. APPLICATION ENVIRONMENT CONDITION

3.1 Altitude height of Installation places does not exceed 2000m

3.2 Ambient temperature

Up limitation of ambient temperature does not exceed +40°C; Average value in 24h of ambient temperature does not exceed +35°C. The low limitation of ambient temperature does not lower than -5°C.

3.3 Condition of atmosphere

3.3.1 Humidity

When it is the highest temperature +40°C, the relative humidity does not exceed 50%, and it allows a certain high relative humidity when it is at relatively low temperature. For example, it reaches 90% when 20°C, and it should take special measurements when there occurring condensation due to the temperature variation.

3.3.2 Pollution grade:3

3.4 Installation condition

Installing at the places that without impact vibration and without snow or rain; up terminal connects power, and the low terminal connects the load; the gradient between the vertical and the product does not exceed 5°.

3.5 Installation category: III



4. Main technique parameter

Model		CJX 1-9	CJX 1-12	CJX 1-16	CJX 1-22	CJX 1-32	CJX 1-45	CJX 1-63	CJX 1-75	CJX 1-85	CJX 1-11 0	CJX 1-14 0	CJX 1-17 0	CJX 1-20 5	CJX 1-25 0	CJX 1-30 0	CJX 1-40 0	
Rated insulation voltage U_i V		690																
Rated operating current I_e (A)	AC-3	380v	9	12	16	22	32	45	63	75	85	110	140	170	205	250	300	400
	3	660v	7.2	9.5	13.5	13.5	18	45	63	75	75	110	110	170	170	200	250	320
Control power P_e (kW)	AC-3	380v	4	5.5	7.5	11	15	22	30	37	45	55	75	90	110	132	160	200
	3	660v	5.5	7.5	11	11	15	37	55	55	55	90	90	160	160	185	220	315
Setting thermal current $\geq I_{th}$	AC-3	380v	1.5	2.5	4	4	5.5	11	15	18.5	22	30	37	37	45	55	55	75
	4	660v	1.1	1.5	3	4	7.5	11	11	15	18.5	22	30	37	55	75	90	110
Rated operation frequency times/h	AC-3	1200				600				300								
	AC-4	300														150		
Mechanical life (ten thousand times)		1000				800				600								
Electrical life (ten thousand times)	AC-3	100				80				60								
	AC-4	20				15				10								
Suited fuse specification (RT16) A		16	20	25	32	50	80	100	125	160	200	200	250	250	300	400	500	

4.2 Rated control power voltage U_s of contactor when AC 50/60Hz: 36/42, 48/58, 110/132, 127/152, 220/264, 380/456

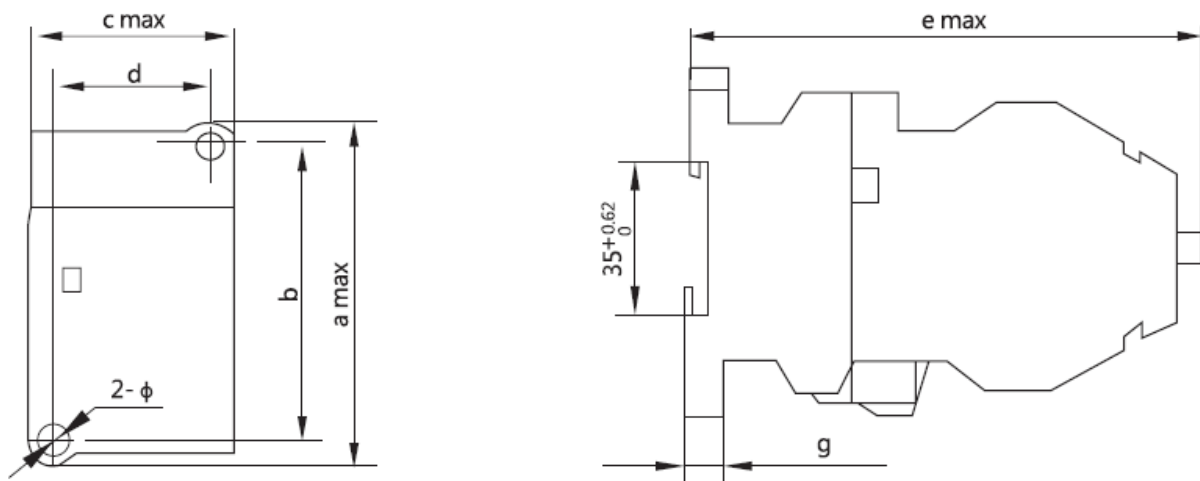
4.3 The coil of contactor can reliably pull-in when it is at 85%~110% of rated control power voltage, and reliably release at 20%~75% of rated control power voltage.

4.4 Rated insulation voltage of auxiliary circuit (U_i) is 380V, setting thermal current (I_{th}) is 10A, other parameters to see table 3

Usage category	Rated operating voltage U_e V	Rated operating current I_e A	Rated control power	
			AC VA	DC W
AC-15	36	10	360	—
	110	3.2		
	220	1.64		
	380	0.95		
DC-13	48	0.69	—	33
	110	0.3		
	220	0.15		

5. External and installation dimension

5.1 External and installation dimension for CJX1-9~32 to see picture 1 and table 4

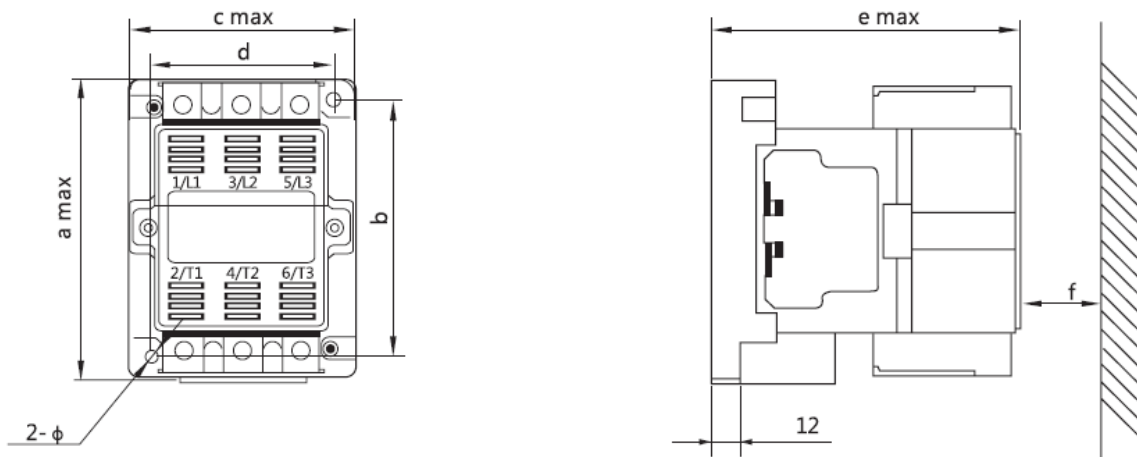


picture 1 External and installation dimension for CJX1-9~32

Table 4

Model	a max	b	c max	d	e max	g	Φ
CJX1-9/12	79	60±0.60	46	35±0.50	106	8	4.8 ₀ ^{+0.48}
CJX1-16/22	89	75±0.60	46	35±0.50	116	8	4.8 ₀ ^{+0.48}
CJX1-32	90	75±0.60	74	35±0.50	109	8	5 ₀ ^{+0.48}

5.2 External and installation dimension for CJX1-45~140 to see picture 2 and table 5

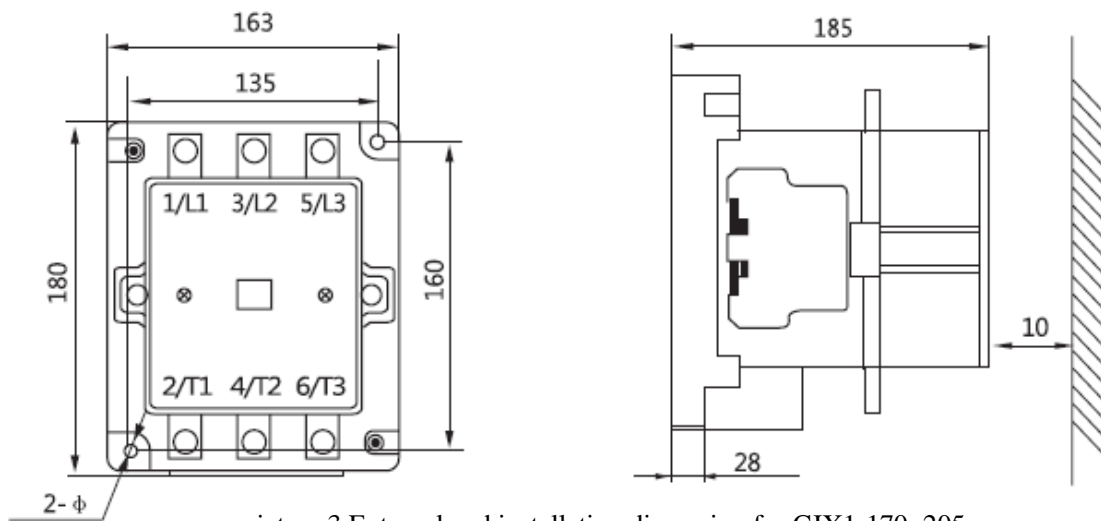


picture 2 External and installation dimension for CJX1-45~140

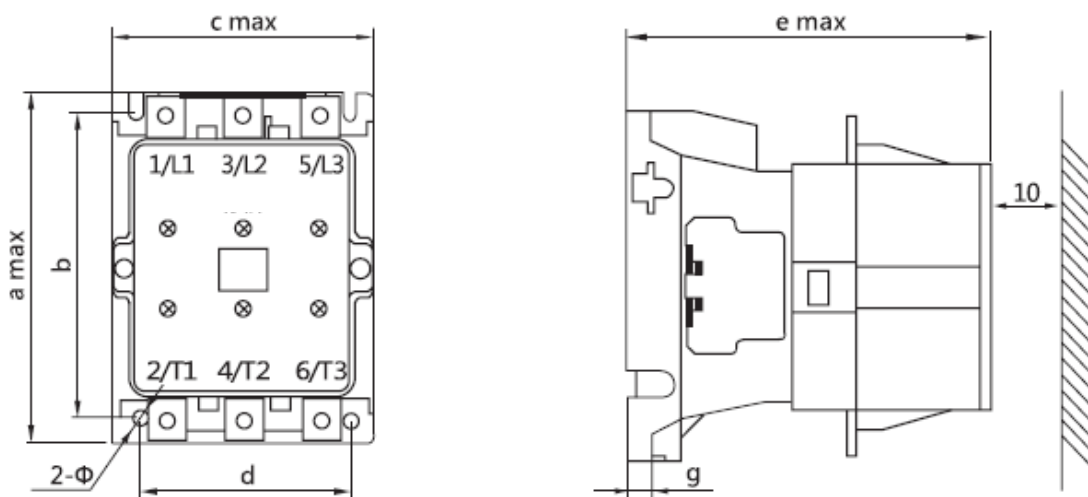
Table 5

Model	a max	b	c max	d	e max	f	Φ
CJX1-45/63/	120	100±0.70	92	70±0.60	125	20	5 ₀ ^{+0.48}
CJX1-75/85	135	110±0.70	105	80±0.60	145	20	5.5 ₀ ^{+0.48}
CJX1-110/140	158	130±0.80	125	100±0.70	155	30	6.5 ₀ ^{+0.48}

5.3 External and installation dimension for CJX1-170~475



picture 3 External and installation dimension for CJX1-170~205



picture 4 External and installation dimension for CJX1-250~475

Table 6

Model	a max	b	c max	d	e max	g	Φ
CJX1-170/205	180	160	163	135	185	28	8
CJX1-250/300	200	145	172	120	198	30.5	10.5
CJX1-400/475	200	160	187	130	222	39	10.5

6. Ordering notice

Model	<input type="checkbox"/> CJX1-9 __ pcs, <input type="checkbox"/> CJX1-12 __ pcs, <input type="checkbox"/> JX1-16 __ pcs, <input type="checkbox"/> CJX1-22 __ pcs, <input type="checkbox"/> CJX1-32 __ pcs, <input type="checkbox"/> CJX1-45 __ pcs, <input type="checkbox"/> CJX1-63 __ pcs, <input type="checkbox"/> CJX1-75 __ pcs, <input type="checkbox"/> CJX1-85 __ pcs, <input type="checkbox"/> CJX1-110 __ pcs, <input type="checkbox"/> CJX1-140 __ pcs, <input type="checkbox"/> CJX1-170 __ pcs, <input type="checkbox"/> CJX1-205 __ pcs, <input type="checkbox"/> CJX1-300 __ pcs, <input type="checkbox"/> CJX1-400 __ pcs
Rated control power voltage Us	<input type="checkbox"/> 36/42V, <input type="checkbox"/> 48/58V, <input type="checkbox"/> 110/132V, <input type="checkbox"/> 127/152V, <input type="checkbox"/> 220/264V, <input type="checkbox"/> 380/456V
Frequency	<input type="checkbox"/> 50Hz <input type="checkbox"/> 60Hz
Quantity of Auxiliary contacts and its combination	<input type="checkbox"/> 22 <input type="checkbox"/> 33 <input type="checkbox"/> 44