

## CJX1

### Series AC Contactor



#### Application

CJX1 Series AC contactor is suitable for the circuit of AC 50Hz or 60Hz, rated operating voltage up to 690V. The rated current up to 400A when the usage category of AC-3, and 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 over load produced by operation. This product conforms to: IEC/EN60947-4-1 standards.

#### Model No.

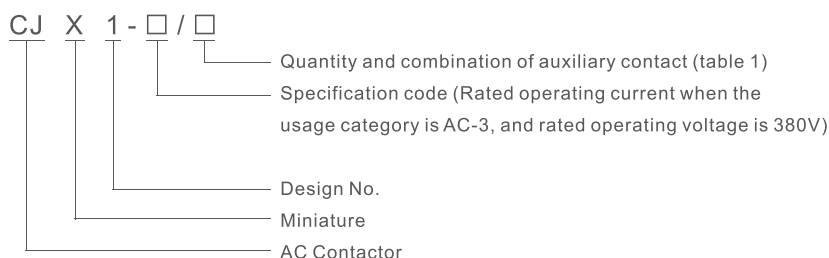


table 1

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"

#### 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 ± 5°
- 3.7 Impact and vibration: product should be installed and used at the places without obvious shake, impact and vibration.

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## Main technical parameter

Main technique parameter of contactor to see table 1 table 2

Model			CJX1-9	CJX1-12	CJX1-16	CJX1-22	CJX1-32	CJX1-45	CJX1-63	CJX1-75	CJX1-85	CJX1-110	CJX1-140	CJX1-170	CJX1-205	CJX1-250	CJX1-300	CJX1-400		
Rated insulation voltage Ui V			690																	
Rated operating current Ie (A)	AC-3	380V	9	12	16	22	32	45	63	75	85	110	140	170	205	250	300	400		
		660V	7.2	9.5	13.5	13.5	18	45	63	75	75	110	110	170	170	200	250	320		
	AC-4	380V	3.3	4.3	7.7	8.5	12	24	28	34	42	54	68	75	96	110	125	150		
		660V	1.4	1.9	3.5	4	7.5	12	14	17	21	27	35	42	67	95	110	115		
Control power Pe (kW)	AC-3	380V	4	5.5	7.5	11	15	22	30	37	45	55	75	90	110	132	160	200		
		660V	5.5	7.5	11	11	15	37	55	55	55	90	90	160	160	185	220	315		
	AC-4	380V	1.5	2.5	4	4	5.5	11	15	18.5	22	30	37	37	45	55	55	75		
		660V	1.1	1.5	3	4	7.5	11	11	15	18.5	22	30	37	55	75	90	110		
Conventional thermal current≥Ith		A	20		30		45		70		90		150		170	205	250	300	400	
Rated operation frequency times/h	AC-3		1200				600							300						
	AC-4		300																150	
Mechanical life (10000 times)			1000				800			600										
Electrical life (10000 times)	AC-3		100				80			60										
	AC-4		20				15			10										
Suited fuse specification (RDT16) A			16	20	25	32	50	80	100	125	160	200	200	250	250	300	400	500		

- 4.2.Rated control power voltage Us 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 (Ui) is 380V, conventional thermal current (Ith) is 10A,

table 3

Usage category	Rated operating voltage Ue V	Rated operating current Ie 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		

## Dimensions

Overall and installation dimension for CJX1-9~32 to see fig 1 and table 4

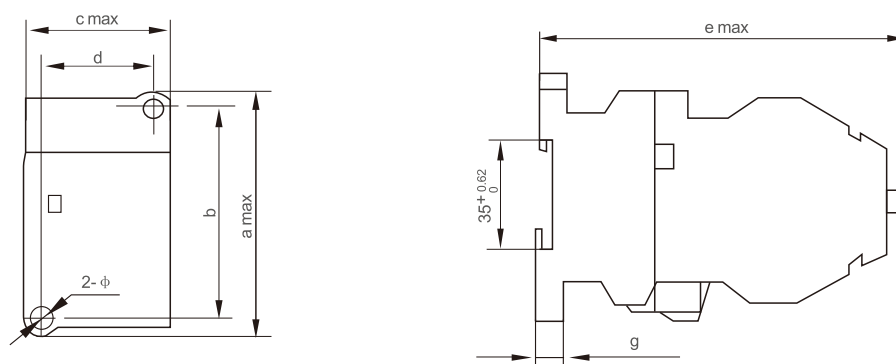


fig 1 Overall and installation dimension for CJX1-9~32

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	$4.8^{+0.48}_0$
CJX1-16/22	89	75±0.60	46	35±0.50	116	8	
CJX1-32	90	75±0.60	74	35±0.50	109	8	$5^{+0.48}_0$

Overall and installation dimension for CJX1-45~140 to see fig 2 and table 5

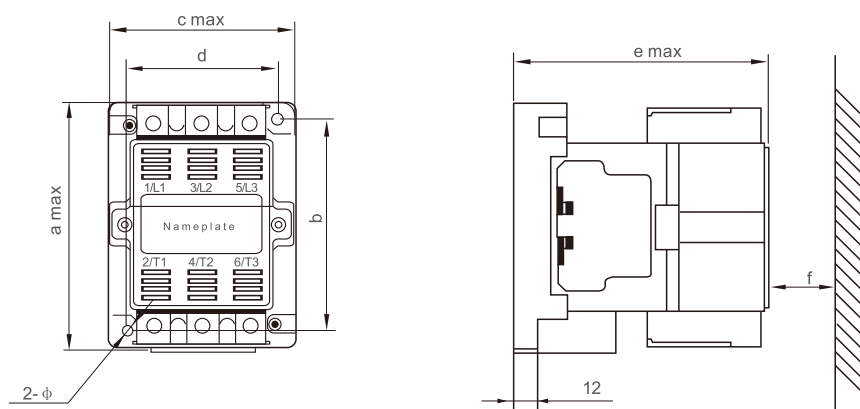


fig 2 Overall and installation dimension for CJX1-45~140

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	$5^{+0.48}_0$
CJX1-75/85	135	110±0.70	105	80±0.60	145	20	$5.5^{+0.48}_0$
CJX1-110/140	158	130±0.80	125	100±0.70	155	20	$6.5^{+0.48}_0$

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Overall and installation dimension for CJX1-170~475

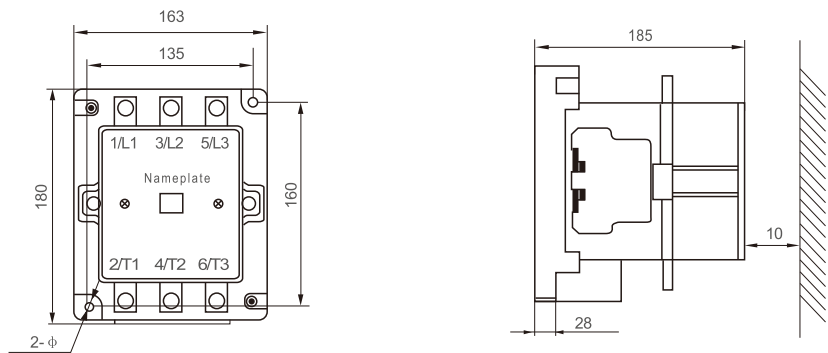


fig 3 Overall and installation dimension for CJX1-170~205

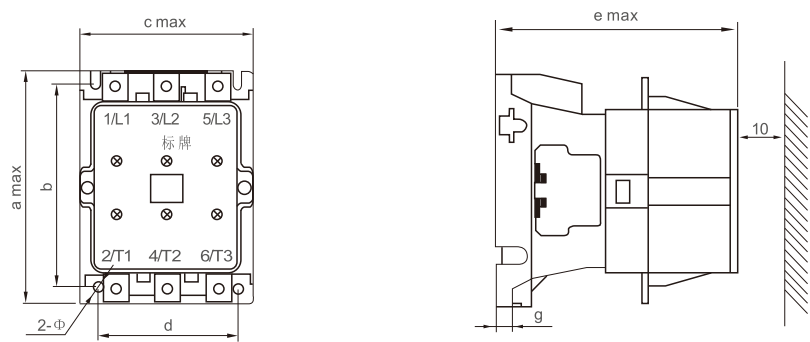


fig 4 Overall and installation dimension for CJX1-250~475

table 6

Model	a max	b	c max	d	e max	g	$\phi$
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