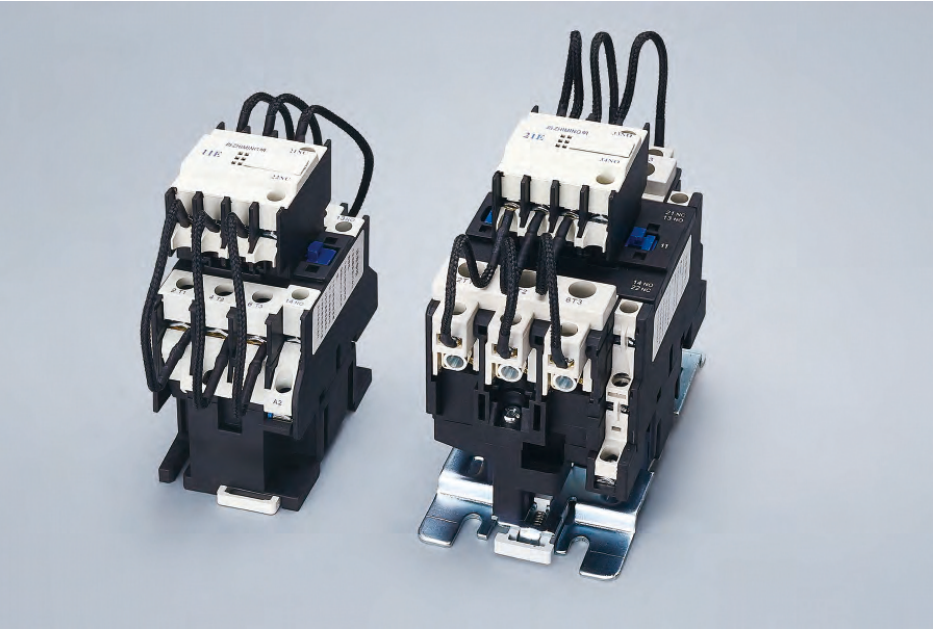
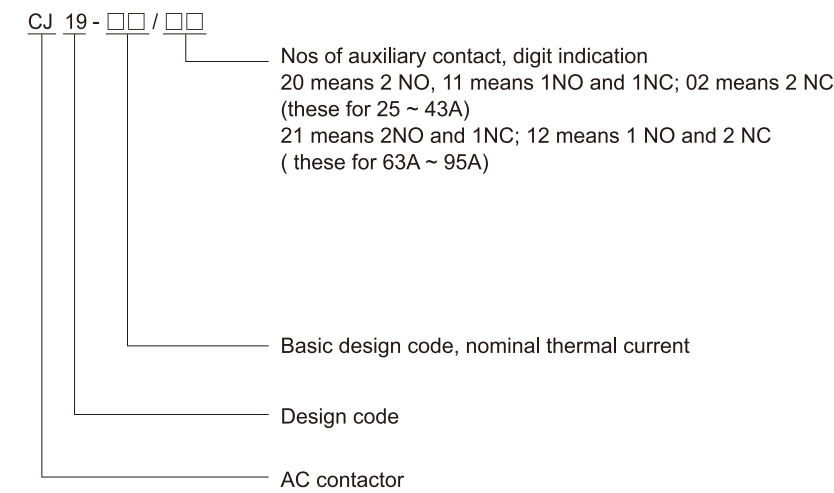


CJ19

Series AC contactor for switching shunt capacitor



Code and Implication



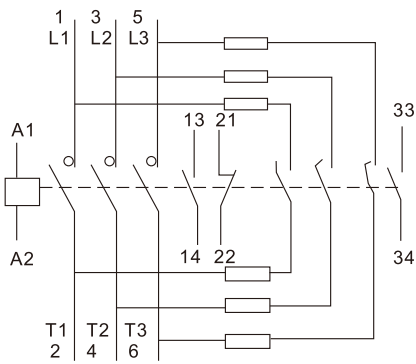
Structure

The contactor is of direct-action double break structure, the contact system consists of upper and downward layout, upper part has 3pairs of contacts and current limiting resistance what become surge restrained device, when closing current limiting contacts will make several milliseconds at firstly, then working contact is made closed later, current limiting contact will be released under the action of everlasting magnet and spring, current limiting resistance is switched off, capacitor then operate normally, inner wiring diagram as Drawing 4

CJ19 25~43 contactor has 2 pairs of auxiliary contacts, CJ19 63~95 contactors have 3 pairs of auxiliary contacts, the terminals have provided insulating cover for safety, coil terminals have been marked clearly. CJ19 25~43 can be mounted by screw or by 35mm railway, a dismount able square blank card in cover is provided for spare when required to print something as user. CJ19 63~95 can be mounted on 35 or 75 mm railway.

Application

CJ19 series AC contactor for switching shunt capacitor (hereinafter call -contactor) is mainly used in the system of Ac 50 or 60Hz, rated voltage up to 380V, for switching on/off shunt capacitor in the low voltage reactive compensating bank. If the contactor with surge restrained device, it can effectively prevent surging current when closing and over voltage during opening.



Main Technical data

Item	CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-95
Electrical life (10 ⁴)	10	10	10	10	10
Rated current (380V) A	17	23	29	43	63
Controllable capacity (kvar)	220V	6	9	10	15
	380V	12	18	20	30
Rated insulating voltage (V)	500	500	500	500	500
Surge limiting capacity	20Ie	20Ie	20Ie	20Ie	20Ie
Operating conditions	Absorbing : (85%~110%)Us; releasing : (20%~75%)Us				
Coil burden (startup/lasting) (VA)	70/8	110/11	110/11	200/20	200/20
Control capacity of auxiliary contact	AC-15 360VA ; DC-13 33W				
Weight (kgs)	0.44	0.63	0.64	1.4	1.5

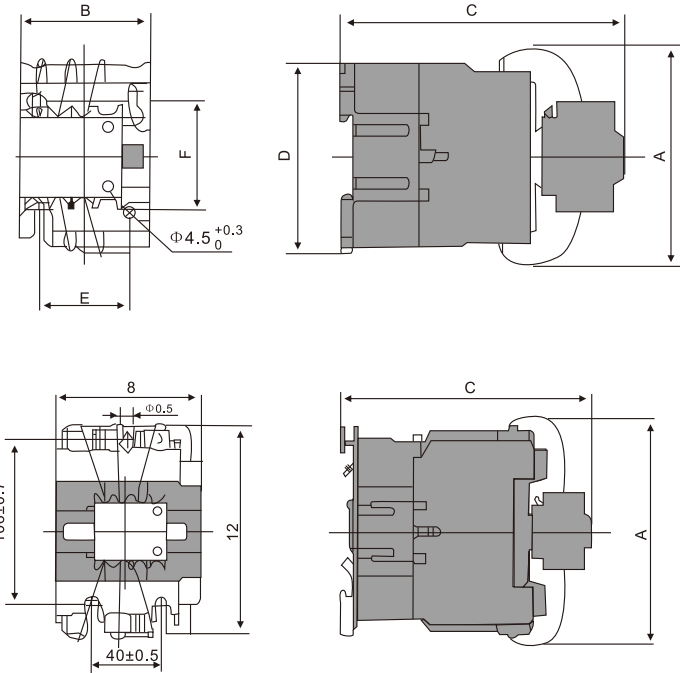
Main model and specifications

Contactor model	Amax	Bamx	Cmax	Dmax	E	F	Notes
CJ19-25	80	47	124	76	34/35	50/60	Screw mounting and 35mm railway available
CJ19-32	90	58	132	86	40	48	
CJ19-43	90	58	136	86	40	48	
CJ19-63	132	79	150	126.5	40	43	Screw mounting and 35 or 75mm railway available
CJ19-95	135	87	158	126.5	40	43	
CJ19-115	200	120	156	155			
CJ19-150	200	120	156	155			
CJ19-170	200	120	156	155			

Normal working condition and mounting conditions

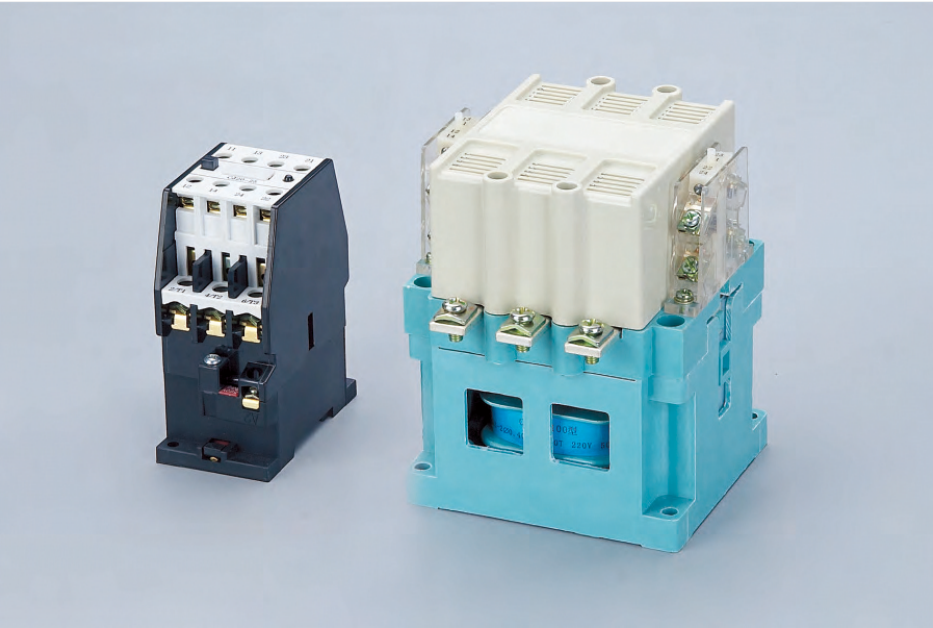
- Ambient temperature: -5℃ ~ 40℃ , daily average over 35℃
- Altitude not more than 2000m;
- Ambient conditions: relative humidity not more than 50% at 40, if lower temperature humidity can be higher, on the month when maxi average humidity occurs the temperature shall be not more than 25℃ , on this month the maxi average humidity shall not more than 90%, and there has considered the mist covering the product
- Polluted class: 3 grade
- Installation class: 3 grade
- Mounting conditions: the mounting inclined angle shall not more than±5°
- Impact vibration: there shall have no severe vibration, impact and vibration.
- Main technical data

Outline and mounting sizes



CJ20

Series AC Contactor

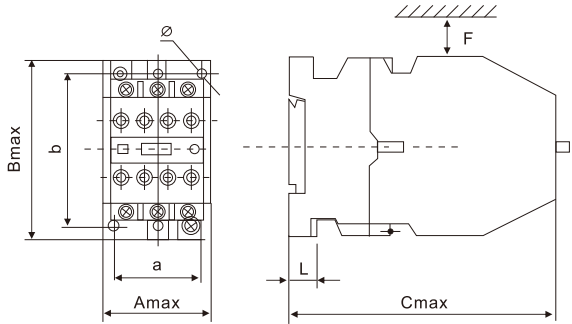


Application

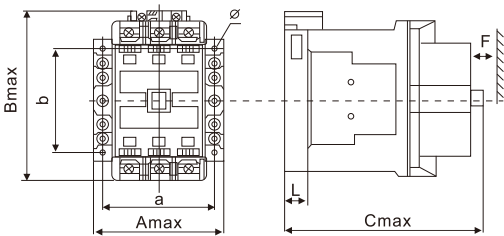
CJ20 series AC contactor is suitable for the power system of AC 50Hz or 60Hz, rated working voltage up to 660V or 1140V and rated working current up to 630A, used to make and break circuit frequently in a far distance, while, it can be combined with thermal relay or electronic protection equipment to form into an electromagnetic starter, to protect the circuit against possible overload. The products are in conformity with such standards as GB/T 14048.4 and IEC 60947-4-1.

Type	Ui V	Ue V	Ith A	Ie under intermittentperiodic duty				AC-3的Pe (kW)	Ie under uninterrupted duty	Weight (kg)
				AC-1	AC-2	AC-3	AC-4			
CJ20-250	690	220	315	315	250	250	250	80	315	10.5
		380								
CJ20-250/06	690	660			200	200	160	190		
CJ20-400	690	220	400	400	400	400	400	115	400	11.7
		380					200			
		660				250	250	200		
CJ20-630	690	220	630	630	630	630	500	175	630	21.5
		380								
CJ20-630/06	690	660	400	400	400	400	320	350	400	
CJ20-630-11	1140	1140								

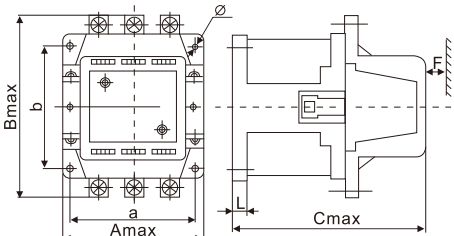
Outline & installation size



CJ20-10、16、25



CJ20-40



CJ20-63-630

Main technical data

Basic parameters of contactor main circuit are shown as the following list.

Type	Ui V	Ue V	Ith A	Ie under intermittentperiodic duty				AC-3的Pe (kW)	Ie under uninterrupted duty	Weight (kg)	
				AC-1	AC-2	AC-3	AC-4				
CJ20-10	690	220	10	10	-	10	10	2.2	10	0.353	
		380				5.2	5.2	4			
		660									
CJ20-16	690	220	16	16	-	16	16	4.5	16	0.416	
		380				13	13	7.5			
		660						11			
CJ20-25	690	220	32	32	-	25	25	5.5	32	0.67	
		380				14.5	14.5	11			
		660						13			
CJ20-40	690	220	55	55	-	40	40	11	55	1.32	
		380				25	25	22			
		660									
CJ20-63	690	220	80	80	63	63	63	18	80	2.9	
		380				40	40	30			
		660						35			
CJ20-100	690	220	125	125	100	100	100	28	125	3	
		380				63	63	50			
		660									
CJ20-160	690	220	200	200	160	160	160	48	200	5.5	
		380				100	100	80			85
		660									
CJ20-160/11	1140	1140			80	80	80				

Type	A	B	C	a	b	Ø	L	F min
CJ20-10	44.5	67.5	107	35±0.31	55±0.37	5 ^{+0.3} ₀	8	10
CJ20-16	44.5	73	116.5	35±0.31	60±0.37	5 ^{+0.3} ₀	8	10
CJ20-25	53	91	122	40±0.31	80±0.37	5 ^{+0.3} ₀	7.5	10
CJ20-40	87	112.5	125	70±0.37	80±0.37	5 ^{+0.3} ₀	15.5	30
CJ20-63	116	142	146	100±0.36	90±0.36	5.8 ^{+0.3} ₀	13	60
CJ20-100	122	147	154	108±0.435	92±0.435	7 ^{+0.58} ₀	15	70
CJ20-160	146	187	178	130±0.5	130±0.5	9 ^{+0.58} ₀	15	80
CJ20-250	190	235	230	160±0.5	150±0.5	9 ^{+0.58} ₀	17	100
CJ20-400	190	235	230	160±0.5	150±0.5	9 ^{+0.58} ₀	17	110
CJ20-630	245	294	287	210±0.575	180±0.5	11 ^{+0.7} ₀	20	120

CJX1

Series AC Contactor



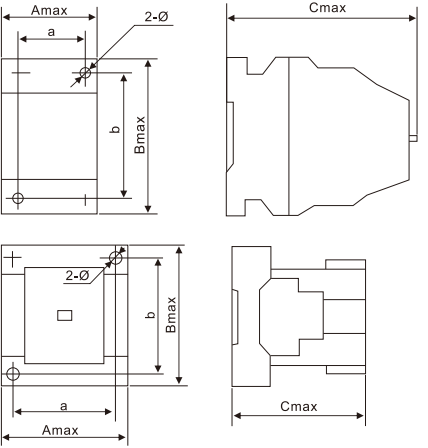
Application

CJX1 series AC contactor is suitable for the circuit of AC 50Hz (or 60Hz) and rated working voltage up to 1000V or the circuit of rated working voltage 380V and rated working current 475A under AC-3 utilization, it is mainly used to make and break circuits in a far distance or frequently start and control AC motors, it also can be formed into an electromagnetic starter with suitable thermal overload relay to protect the circuit against possible overload. The products are in conformity with such standards as GB/T 14048.4 and IEC60947-4-1.

Main technical data

Type		CJX1-9	CJX1-12	CJX1-16	CJX1-22	CJX1-32	CJX1-38	CJX1-45	CJX1-63	CJX1-75	CJX1-85	CJX1-110	CJX1-140	CJX1-170	CJX1-205	CJX1-250	CJX1-300	CJX1-400	CJX1-475		
Rated insulation Voltage		690													1000						
Frequency (Hz)		50(或60)																			
Rated Working current	AC-3 380V	9	12	16	22	32	38	45	63	75	85	110	140	170	205	250	300	400	475		
	AC-4 380V	3.3	4.3	7.7	8.5	15.6	18.5	24	28	34	42	54	68	75	96	110	125	150	165		
Max power of controllable motor under AC-3 utilization kW	220V	2.2	3	4	5.5	8.5	11	15	18.5	22	28	37	43	55	64	78	93	125	148		
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200	252		
	660V	5.5	7.2	11	11	23	23	39	55	67	67	100	100	156	156	235	235	375	342		
Conventional thermal current		20	20	30	30	55	55	90	80	100	100	160	160	210	220	300	300	400	550		
Operating frequency	AC-3	1200	1200	1200	1200	600	600	600	600	600	600	600	300	300	300	300	300	300	300		
	AC-4	300	300	300	300	300	300	300	300	300	300	300	200	200	130	200	130	150	150		
On-load factor AC-3		40%																			
Combined with fuse		NT00-16	NT00-20	NT00-25	NT00-32	NT00-50	NT00-63	NT00-63	NT00-80	NT00-100	NT00-125	NT00-160	NT00-200	NT00-250	NT00-250	NT00-315	NT00-400	NT00-500	NT00-500		
Combined with thermal overload relay		JRS2-12.5		JRS2-25		JRS2-32		JRS2-45		JRS2-80		JRS2-80		JRS2-180		JRS2-180		JRS2-250		JRS2-400	
Working range of pull-in windings	Attracting	85%Us~110%Us																			
	Release	20%Us~75%Us																			
Voltage of pull-in windings		24, 36, 48, 110, 127, 220, 380																			
Conventional thermal current of auxiliary contact		10																			
Electrical life	AC-3	100				80			60												
	AC-4	20						15			10										
Weight (kg)		0.43		0.49		0.7		1.43		2.21		3.42		5.5		6.8		9.2			

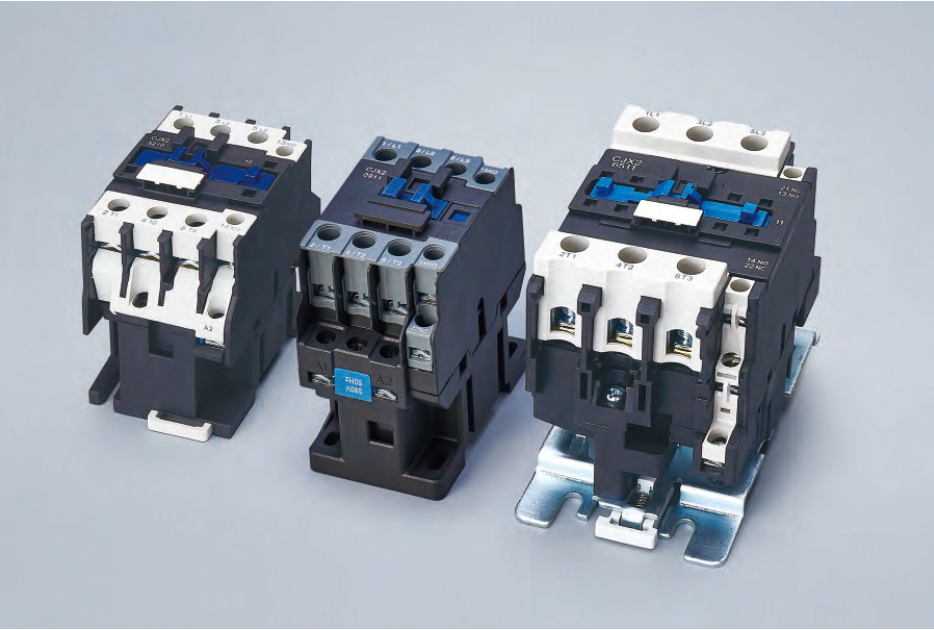
Outline & installation size



Type	Amax	Bmax	Cmax	a	b	Ø
CJX1-9.12	46	79	106	35±0.50	60±0.60	4.8 ^{+0.48} ₀
CJX1-16.22	46	89	116	35±0.50	75±0.60	
CJX1-32	74	90	109	50±0.50	75±0.60	
CJX1-38	82	102	110	45±0.50	75±0.60	5 ^{+0.48} ₀
CJX1-45.63	92	120	125	70±0.60	100±0.70	
CJX1-75.85	105	135	145	80±0.60	110±0.70	5.5 ^{+0.48} ₀
CJX1-110.140	125	158	155	100±0.70	130±0.80	6.5 ^{+0.58} ₀
CJX1-170	140	185	190	110±0.70	160±0.80	7.0 ^{+0.58} ₀
CJX1-205	140	185	190	110±0.70	160±0.80	7.0 ^{+0.58} ₀
CJX1-250	146	194	202	120±0.70	180±0.80	9.0 ^{+0.63} ₀
CJX1-300	146	194	202	120±0.70	180±0.80	9.0 ^{+0.63} ₀
CJX1-400	162	205	224	130±0.80	180±0.80	9.0 ^{+0.63} ₀
CJX1-475	162	205	224	130±0.80	180±0.80	9.0 ^{+0.63} ₀

CJX2

Series AC Contactor



Application

CJX2 series AC contactor is suitable for the power system of AC 50Hz or 60Hz and rated insulation voltage up to 690V or the power system of rated working voltage 380V and rated working current up to 620A under AC-3 utilization, used to make and break circuit in a far distance or to frequently start and control AC motors, while, it can be combined with thermal relay or electronic protection equipment to form into an electromagnetic starter to protect the circuit against possible overload.

Main technical data

Type			CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Rated Working current	380V	AC-3	9	12	18	25	32	40	50	65	80	95
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	660V	AC-3	6.6	8.9	12	18	21	34	39	42	49	55
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Conventional thermal current			20	20	32	40	50	60	80	80	95	95
Power of controllable three-phase squirrel cage motor AC-3 kW		220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
		380V	4	5.5	7.5	11	15	18.5	22	30	37	45
		660V	5.5	7.5	9	15	18.5	30	33	37	45	55
Operating frequency	Electrical life	AC-3	1200				600					
		AC-4	300									
	Mechanical life		3600									
Electrical life		AC-3	100				80				60	
		AC-4	20				15				10	
Mechanical life			1000				800				600	
Fuse model			RT16-20	RT16-20	RT16-32	RT16-32	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125
Conform to standard			GB/T14048.1				GB/T14048.4		IEC 60947-4-1			