



Model	The connection capability			Screw size	Tightening torque (Nm)
	Number of piece	Cable Cross section(mm²)	Cu busbar Cross section (mm²)		
NC2-115	1	70~95	-	M6	3
NC2-150	1	70~95	-	M8	6
NC2-185	1	95~150	-	M8	6
NC2-225	1	95~150	-	M10	10
NC2-265	1	120~185	-	M10	10
NC2-330	1	185~240	-	M10	10
NC2-400	1 (2)	240(150)	30×5	M10	10
NC2-500	2	150~185	40×5	M10	10
NC2-630	2	185~240	50×5	M12	14
NC2-800	2	185~240	50×5	M12	14

4. Technical data

★ 3P contactors AC coil operation

Model			NC2-115(Z)	NC2-150(Z)	NC2-185(Z)	NC2-225(Z)
Frame			Frame 1		Frame 2	
Rated Conventional heating current(A)AC-1			200	200	275	275
Rated operational current(A)	AC-3					
	AC-4	660/690V AC	86	108	118	137
Power of controlled 3-phase cage motor (AC-3)	kW					
		660/690V AC	80	100	110	129
	hp					
		415V AC	60	75	100	125
		600V AC	75	100	100	125
Electrical life (×10 ⁶ operations)AC-3			1.2	1.2	1	1
Matched fuse	Model		RT36-1	RT36-1	RT36-2	RT36-2
type	Rated current A		250	250	315	315

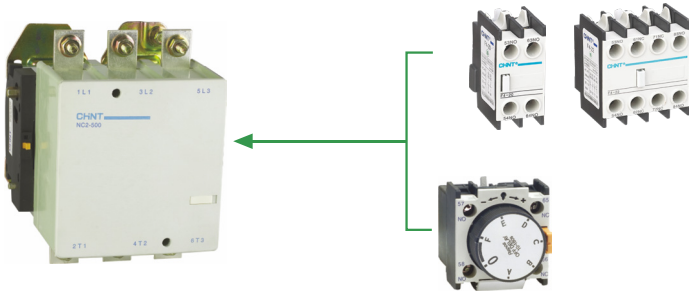
★ 4P contactors AC coil operation

Model			NC2-115/4	NC2-150/4	NC2-185/4	NC2-225/4
Frame			Frame 1		Frame 1	
Conventional heating current(A)AC-1			200	200	275	275
Rated operational current(A)	AC-3					
	AC-4	660/690V AC	86	108	118	137
Power of controlled 3-phase cage motor (AC-3)	kW					
		660/690V AC	80	100	110	129
	hp	415V AC	60	75	100	125
		600V AC	75	100	100	125
Electrical life (×10 ⁶ operations)AC-3			1.2	1.2	1	1
Matched fuse	Model		RT36-1	RT36-1	RT36-2	RT36-2
type	Rated current (A)		250	250	315	315

NC2-265(Z)	NC2-330(Z)	NC2-400(Z)	NC2-500	NC2-630	NC2-800	
Frame 3	Frame 4	Frame 5	Frame 6		Frame 7	
315	380	450	630	800	800	
265	330	400	500	630	AC-3	AC-4
170	235	303	353	462	800	630
					486	462
132	160	150	200	250	350	
160	220	200	250	350	600	
100	125	250	350	400	600	
150	150	300	350	500	650	
150	200	200	250	335	450	
150	200	280	335	450	475	
600	600	600	600	600	600	
0.8	0.8	0.8	0.8	0.8	0.6	
6	6	6	6	6	3	
RT36-3	RT36-3	RT36-3	RT36-4	RT36-4	RT36-4	
355	500	630	800	1000	1000	

NC2-265/4	NC2-330/4	NC2-400/4	NC2-630/4
Frame 3	Frame 4	Frame 5	Frame 6
315	380	450	800
265	330	400	630
170	235	303	462
132	160	200	335
160	220	280	450
100	125	150	250
150	150	200	350
150	200	250	400
150	200	300	500
600	600	600	600
0.8	0.8	0.8	0.8
6	6	6	6
RT36-3	RT36-3	RT16-3	RT36-4
355	500	630	1000

5. Accessories

Items		Model		NC2-115(Z)	NC2-150(Z)	NC2-185(Z)	NC2-225(Z)
AC coil	Coil power	AC:	In-rush (VA)	1500		1800	
			Sealed (VA)	20		20	
		DC:	In-rush (W)	1500		1800	
			Sealed (W)	20		20	
	Operation range	Operation voltage		(85%~110%) Us			
		Drop-out voltage		Common products; 20%~75%; electricity-saving products: 10%~75%Us			
		3P	FF XXX (DC)		FG XXX (DC)		
		4P	FF XXX		FG XXX		
Coil voltage				AC: 110-127, 220-240, 380-415 DC: 48, 110, 220			
F4 auxiliary contact							
F5 auxiliary contact				F4 -  Number of N/C auxiliary contacts Number of N/O auxiliary contacts Auxiliary contact assembly F5 -  0: time-delay range,0.1s ~ 3s 2: time-delay range,0.1s~30s 4: time-delay range,10s~180s T: making time-delay; D:breaking time-delay Time-delay module			

NC2-265(Z)	NC2-330(Z)	NC2-400(Z)	NC2-500(Z)	NC2-630(Z)	NC2-800(Z)
1,500	1,500	1,500	1,500	1,700	1,700
10	20	20	25	25	34.2
1500	1500	1700			
20	20	20			
(85%~110%) Us					
Common products; 20%~75%; electricity-saving products: 10%~75%Us					
FI XXX (DC)	FI XXX (DC)	FJ XXX (DC)	FK XXX	FL XXX	FM XXX
FI XXX	FI XXX	FJ XXX	-	FL XXX/4	-
AC: 110,127,220,230,380,400(NC2-265-630);110-127,220-240,380-415(NC2-800)					AC/DC: 110-127, 220-240, 380-415
DC: 110,220(NC2-265Z/330Z/400Z)					

Picture	Model	Configuration of contacts	
		Number of NO contact	Number of NC contact
	F4-20	2	0
	F4-11	1	1
	F4-02	0	2
	F4-40	4	0
	F4-31	3	1
	F4-22	2	2
	F4-13	1	3
	F4-04	0	4
Picture	Model	Time-delay range	Configuration of time-delay contacts
	F5-T0	0.1s~3s	N/O+N/C
	F5-T2	0.1s~30s	N/O+N/C
	F5-T4	10s~180s	N/O+N/C
	F5-D0	0.1s~3s	N/O+N/C
	F5-D2	0.1s~30s	N/O+N/C
	F5-D4	10s~180s	N/O+N/C

Model of mechanical interlock	Applicable assembly with contactors
NJLs-FF	NC2-115+NC2-115; NC2-150+NC2-150; NC2-115+NC2-150
NJLs-GG	NC2-185+NC2-185; NC2-225+NC2-225; NC2-185+NC2-225
NJLs-HH (Horizontal)	NC2-265+NC2-265; NC2-330+NC2-330; NC2-265+NC2-330
NJLs-KK	NC2-400+NC2-400; NC2-500+NC2-500; NC2-400+NC2-500
NJLs-LL	NC2-630+NC2-630; NC2-800+NC2-800
NJLc-FF	NC2-115+NC2-115; NC2-150+NC2-150; NC2-115+NC2-150
NJLc-FG	NC2-115+NC2-185; NC2-150+NC2-185; NC2-115+NC2-225; NC2-150+NC2-225
NJLc-FH	NC2-115+NC2-265; NC2-115+NC2-330; NC2-150+NC2-265; NC2-150+NC2-330
NJLc-FK	NC2-115+NC2-400; NC2-115+NC2-500; NC2-150+NC2-400; NC2-150+NC2-500
NJLc-FL	NC2-115+NC2-800; NC2-115+NC2-630; NC2-150+NC2-630; NC2-150+NC2-800
NJLc-GG	NC2-185+NC2-265; NC2-185+NC2-330; NC2-185+NC2-225
NJLc-GH	NC2-185+NC2-265; NC2-185+NC2-330; NC2-225+NC2-265; NC2-225+NC2-330
NJLc-GK (Vertical)	NC2-185+NC2-400; NC2-225+NC2-500; NC2-225+NC2-400; NC2-225+NC2-500
NJLc-GL	NC2-185+NC2-800; NC2-185+NC2-630; NC2-225+NC2-630; NC2-225+NC2-800
NJLc-HH	NC2-265+NC2-265; NC2-330+NC2-330; NC2-265+NC2-330
NJLc-HK	NC2-265+NC2-400; NC2-330+NC2-400; NC2-265+NC2-500; NC2-330+NC2-500
NJLc-HL	NC2-265+NC2-265; NC2-265+NC2-630; NC2-330+NC2-630; NC2-330+NC2-800
NJLc-KK	NC2-400+NC2-400; NC2-500+NC2-500; NC2-400+NC2-500; NC2-400+NC2-800
NJLc-KL	NC2-400+NC2-630; NC2-500+NC2-630; NC2-500+NC2-800
NJLc-LL	NC2-630+NC2-630; NC2-630+NC2-800
NJLc-MM	NC2-800+NC2-800

6. Structure features

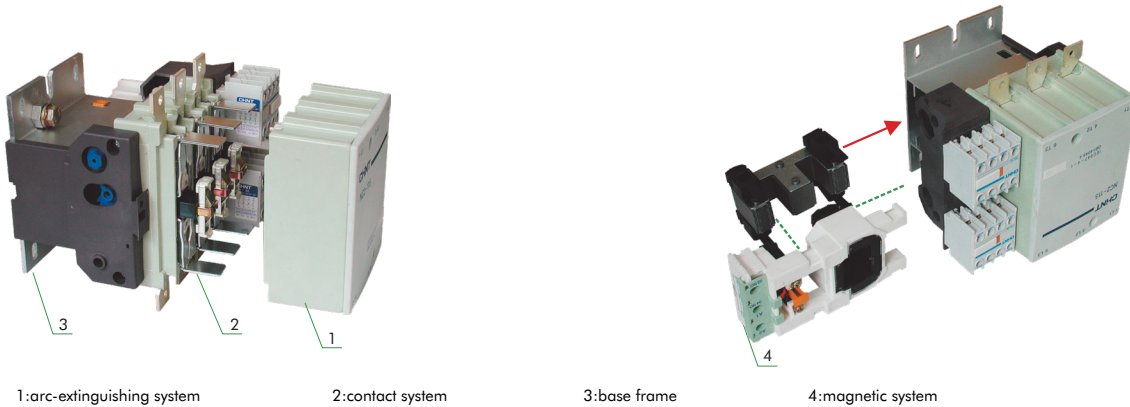
6.1 The contactor is composed of arc-extinguishing system, contact system, base frame and magnetic system (including iron core, coil)

The contact system of the contactor is of direct action type and double-breaking points allocation.

The lower base-frame of the contactor is made of shaped aluminum alloy and the coil is of plastic enclosed structure.

The coil is assembled with the armature to be an integrated one. They can be directly taken out from or inserted into the contactor.

It is convenient for user's service and maintenance.

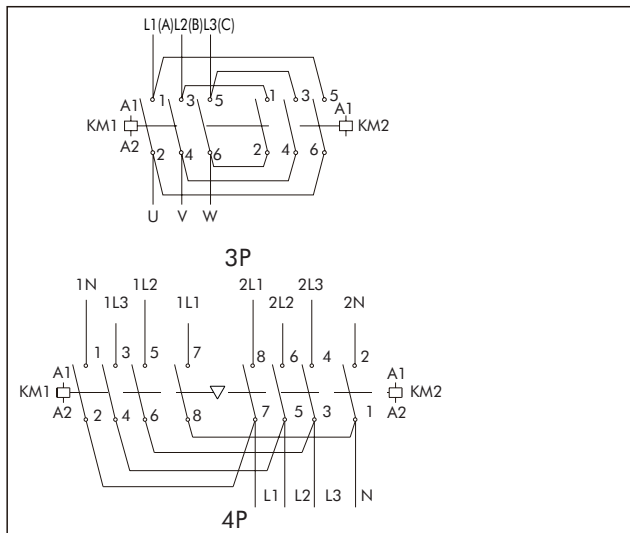


NC2 series contactor is of short arcing distance. For example, the arcing distance of NC2-115~330 contactor is only 10mm (200~500V), which is about one sixth that of the previous contactor of the same capacity. It is an excellent complementary element used for an electric control device and it occupies smaller space in a complete set of equipment. The mechanical interlock can be added to the contactor in both horizontal direction and vertical direction. Three sets of contactor can be interlocked in the vertical direction.

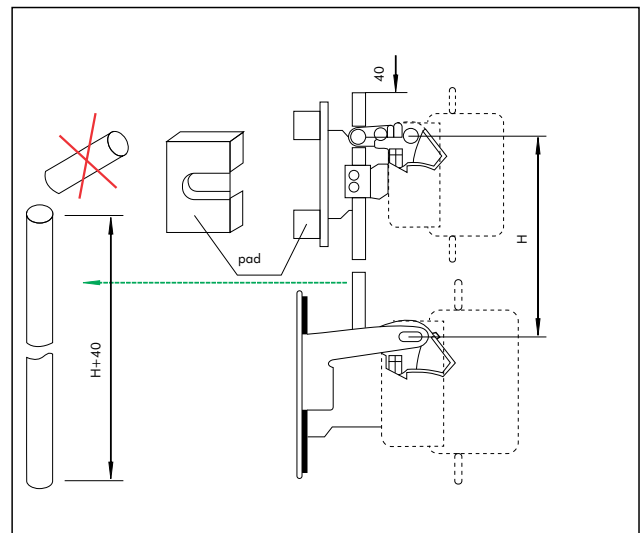
6.2 Refer to fig below for connection mode of connection plate, the interlocked contactors could be mounted horizontally or vertically. For vertical mounting, contactors with lower current mounted at the upper position.

6.3 For reversing type contactors assembled with NC2-115~225 and NC2-265~630, which will be mounted vertically, a padding plate should be added at the bottom of NC2-115~225.

Connection of connection plate

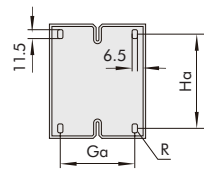
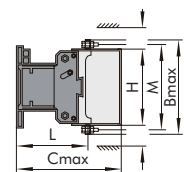
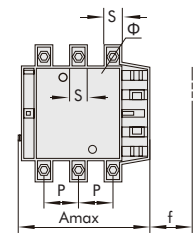


Reversing contactor mounted vertically

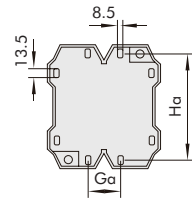
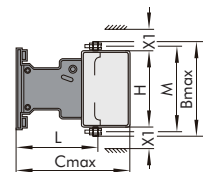
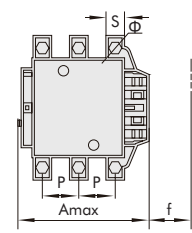


7. Overall and mounting dimensions (mm)

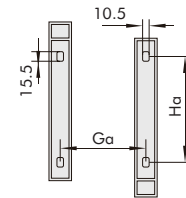
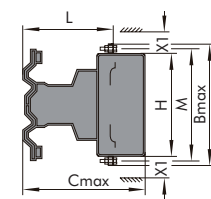
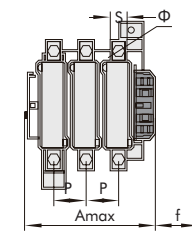
NC2-115~330



NC2-400~500



NC2-630~800

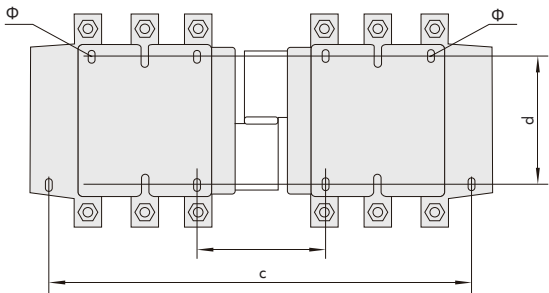
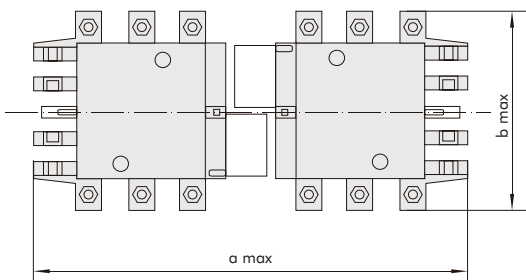


Model		A	B	C	P	S	Φ	f	M	H	L	X1 200~500V	X1 550~1000V	Ga	Ha
NC2-115	3P	168	163	172	37	20	M6	131	147	124	107	10	15	80	110~120
	4P	204	163	172	37	20	M6	131	147	124	107				
NC2-150	3P	168	171	172	40	20	M8	131	150	124	107	10	15	80	110~120
	4P	204	171	172	40	20	M8	131	150	124	107				
NC2-185	3P	171	175	183	40	20	M8	131	154	127	113.5	10	15	80	110~120
	4P	211	175	183	40	20	M8	131	154	127	113.5				
NC2-225	3P	171	198	183	48	25	M10	131	172	127	113.5	10	15	80	110~120
	4P	211	198	183	48	25	M10	131	172	127	113.5				
NC2-265	3P	202	204	215	48	25	M10	147	178	147	141	10	15	96	110~120
	4P	247	204	215	48	25	M10	147	178	147	141				
NC2-330	3P	215	208	220	48	25	M10	147	181	158	145	10	15	96	110~120
	4P	261	208	220	48	25	M10	147	181	158	145				
NC2-400	3P	215	208	220	48	25	M10	147	181	158	145	15	20	80	170~180
	4P	261	208	220	48	25	M10	147	181	158	145				
NC2-500	3P	235	238	233	55	30	M10	150	208	172	146	15	20	80	170~180
NC2-630	3P	312	305	256	80	40	M12	181	264	202	155	20	30	180	180~190
	4P	389	305	256	80	40	M12	181	264	202	155			240	
NC2-800	3P	312	305	256	80	40	M12	181	264	202	155	20	30	180	180~190

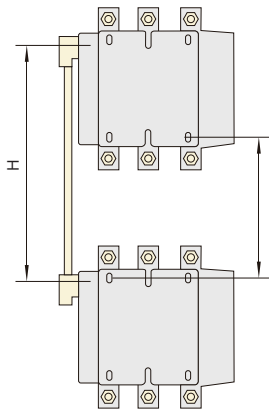
Note: a. f is the min distance needed to mount and dismount the coil.

b. X1: arcing distance is identified by operating voltage and breaking capacity.

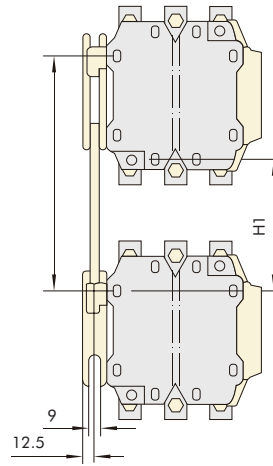
NC2-115Ns~630Ns(Horizontal mounting)



mm						
Modle	pole	A max	b max	c	d	J
NC2-115Ns	3	350	163	330	110~120	71
	4	425	208	370		108
NC2-150Ns	3	350	171	330		71
	4	425	211	370		111
NC2-185Ns	3	350	174	330		78
	4	430	223	370		118
NC2-225Ns	3	350	197	330		78
	4	430	243	370		118
NC2-265Ns	3	450	203	428		109
	4	546	249	485		157
NC2-330Ns	3	450	206	428	170~180	124
	4	546	251	485		172
NC2-400Ns	3	485	206	460		157
NC2-500Ns	4	595	251	485	180~190	157
	3	485	238	460		156
NC2-630Ns	4	650	304	625		139
	3	810	364	785		139
NC2-800Ns	4	650	304	625		139



a.NC2-115Nc~225Nc



b.NC2-265Nc~800Nc

Model	H		H1	
	Min	Max	Min	Max
NC2-115NC, NC2-150Nc	200	310	80	190
NC2-185NC, NC2-225Nc	220	310	100	190
NC2-265Nc	250	380	130	260
NC2-330Nc	260	380	60	200
NC2-400Nc	280	380	100	200
NC2-500Nc	300	380	120	200
NC2-630Nc	380	380	200	200
NC2-800Nc	380	380	200	200

8.Assembly with overload relay

8.1 Assembly with thermal overload relay

Model of contactor	Assembled ther malocerload relay			
	ModelR	ated current(A)	Recommended fuse type	
			aM	gG
NC2-115 NC2-150 NC2-185 NC2-225 NC7-115~170 NC7-205		80~125	125	200
		100~160	160	250
		125~200	200	315
		160~250	250	400
NC2-185 NC2-225 NC2-265 NC2-330 NC2-400 NC2-500 NC2-630 NC7-205~300 NC7-410~475 NC7-620		200~315	315	500
		250~400	400	630
		315~500	500	800
		400~630	630	800