

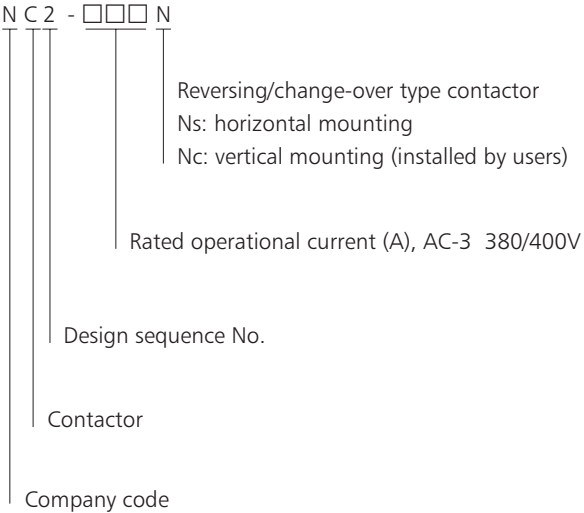


NC2-N Contactor
Reversing & change-over type,
115~800A

1. General

- 1.1 Electric ratings; AC50/60Hz, up to 690V, up to 800A;
- 1.2 Application: reversing control of motor and the mechanical interlock ensures operation reliability for contactor changeover of the two reversing contactors;
- 1.3 Ambient temperature: -5℃~+40℃;
- 1.4 Altitude: ≤2000m;
- 1.5 Mounting category: III
- 1.6 Mounting conditions:
inclination between the mounting plane and the vertical plane not exceed ±5°
- 1.7 Standard: IEC/EN 60947-4-1

2. Type designation of mechanical interlock



3. Technical data

3.1 Clearance between active and static contacts

Models	Distance between contacts
NC2-115N/150N	≥5mm
NC2-185N/225N	≥5mm
NC2-265N/330N	≥6mm
NC2-400N/500N	≥6.5mm
NC2-630N	≥7mm
NC2-800N	≥7mm

3.2 Mechanical life

a. NJLC-FF and NJLS-FF: 3×10^6 operations

b. Other model: 2×10^6 operations

(a) 3×10^6	NJLc-FF, NJLs-FF
(b) 2×10^6	NJLs-FF, NJLs-GG, NJLs-HH, NJLs-KK, NJLs-LL, NJLc-FF, NJLc-FG, NJLc-FH, NJLc-FK, NJLc-FL, NJLc-GG, NJLc-GH, NJLc-GK, NJLc-GL, NJLc-HH, NJLc-HK, NJLc-HL, NJLc-KK, NJLc-KL, NJLc-LL

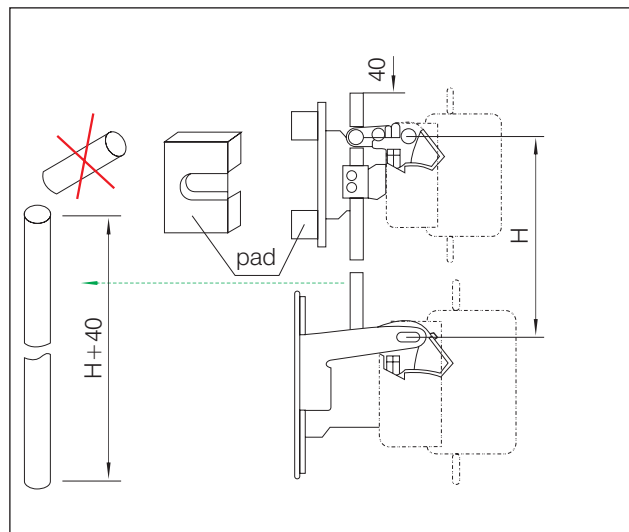
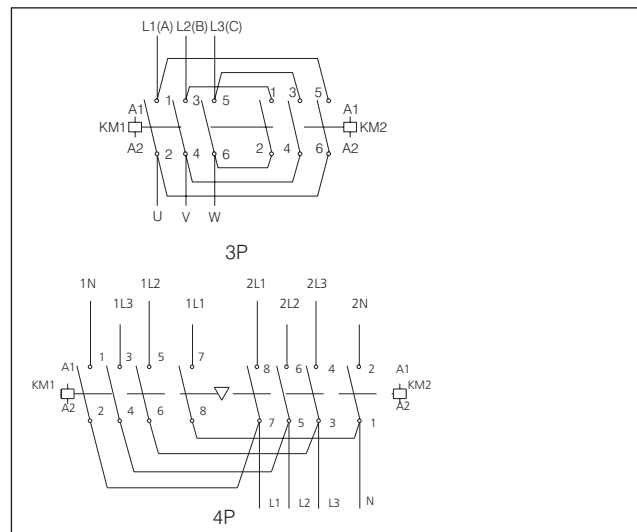
3.3 Terminal Connection

Model	The connection capability			Screw size	Tightening torque (N·m)
	Number of piece	Cable Cross section (mm ²)	Cu busbar Cross section (mm ²)		
NC2-115	1	70~90	-	M6	3
NC2-150	1	70~90	-	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

4.1 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.

4.2 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.

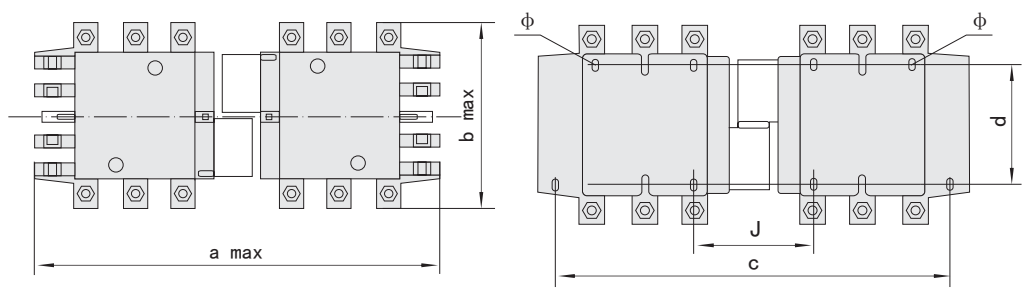
Rereising contactor mounted vertically



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

6. Overall and mounting dimensions (mm)

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	170~180	78
	4	430	243	370		118
NC2-265Ns	3	450	203	428		109
	4	546	249	485		157
NC2-330Ns	3	450	206	428		124
	4	546	251	485		172
NC2-400Ns	3	485	206	460	180~190	157
	4	595	251	485		157
NC2-500Ns	3	485	238	460	180~190	156
NC2-630Ns	3	650	304	625		139
	4	810	364	785		159
NC2-800Ns	3	650	304	625		139

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NC2-115Nc~630Nc (Vertical mounting)



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