





NXCC Series Capacitor Contactors

1. Application

- NXCC series capacitor contactors are mainly used in power system with rated working voltage up to 690V, to input low-voltage reactive power compensation equipment or cut off low-voltage parallel capacitors.
- Standard :IEC/EN 60947-4-1

2. Type designation

N	X	CC	□	□
Company code	Next series	Capacitor contactor	Basic specification code	Number of auxiliary contact
			25,32,43,63, 95,115,150,170	21 stands for 2NO+1NC, 12 stands fot 1NO+2NC (NXCC-25~115) ; 32 stands for 3NO+2NC, 23 stands for 2NO+3NC (NXCC-150~170)

3. Normal working conditions

3.1 Environmental temperature: Extreme working temperature -35 ℃ ~+70 ℃ , normal working temperature -5 ℃ ~+40 ℃ , with an average value not exceeding+35 ℃ within 24 hours

3.2 Altitude: not exceeding 2000m

3.3 Humidity: When the maximum temperature is+70 ℃ , the relative humidity does not exceed 50%; Higher relative humidity can be allowed at lower temperatures, such as up to 90% at 20 ℃

3.4 Pollution level: Level 3.

3.5 Installation category: Class III.

3.6 Installation and conditions: The inclination between the installation surface and the vertical surface shall not exceed ± 5 °.

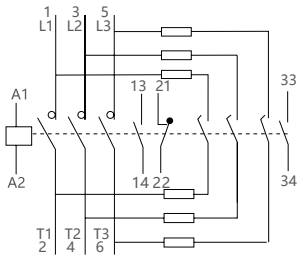
3.7 Impact and vibration: The product should be installed and used in a place without significant shaking, impact and vibration.

4. Technical data

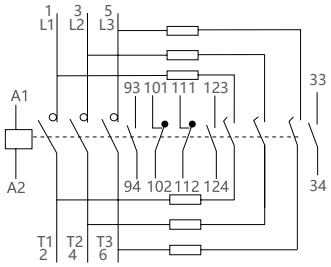
Technical parameter		NXCC-25	NXCC-32	NXCC-43	NXCC-63	NXCC-95	NXCC-115	NXCC-150	NXCC-170
Ith(A)		25	32	43	63	95	115	150	170
Ie(AC-6b) (A)		19	30.4	39.4	52.5	91.9	105	121.6	136.8
Controlled Capacitor capacity(kvar)	220/230V	7.2	11.5	15	20	35	10	46.3	52.1
	380/400V	12.5	20	25.9	34.5	60.4	69.1	80	90
	660/690V	21.7	34.7	45	60	105	120	139	156.3
Ui (V)		690							
Suppress surge current		20Ie							
Coil working voltage		Pick up :(85%~110%)Us; Release: (20%~75%)Us							
Coil capacity(VA)	Start/ keep	70/9.5	70/11.4	70/11.4	210/36.6	300/36.6	300/36.6	1000/91.2	1000/91.2
Auxiliary contact capacity		AC-15: Ue/Ie: AC220V/230V/2.7A, AC380V/400V/1.5A; DC-13: Ue/Ie: DC220V/0.3A; Ith:10A							
Uimp		6kV							
Protection degree		IP20(front side)			IP10				
Coil voltage Us(50Hz)		110V, 127V, 220V, 380V, 415V							

5. Wiring diagram

Example: NXCC-2521~11521 wiring diagram



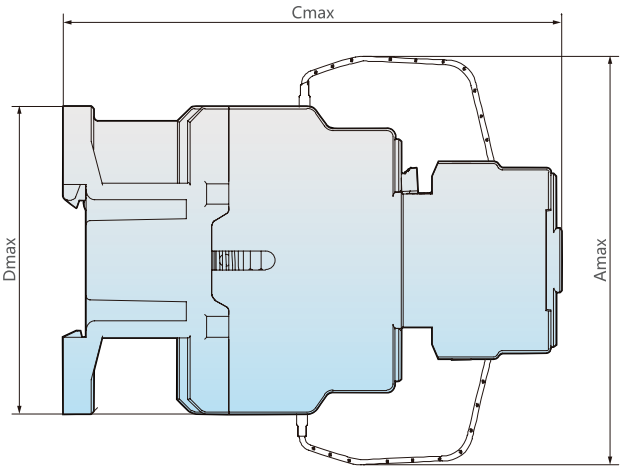
Example: NXCC-15032~17032 wiring diagram

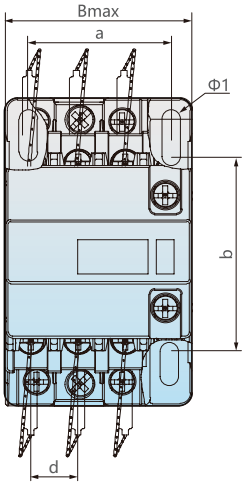


6. Overall dimensions

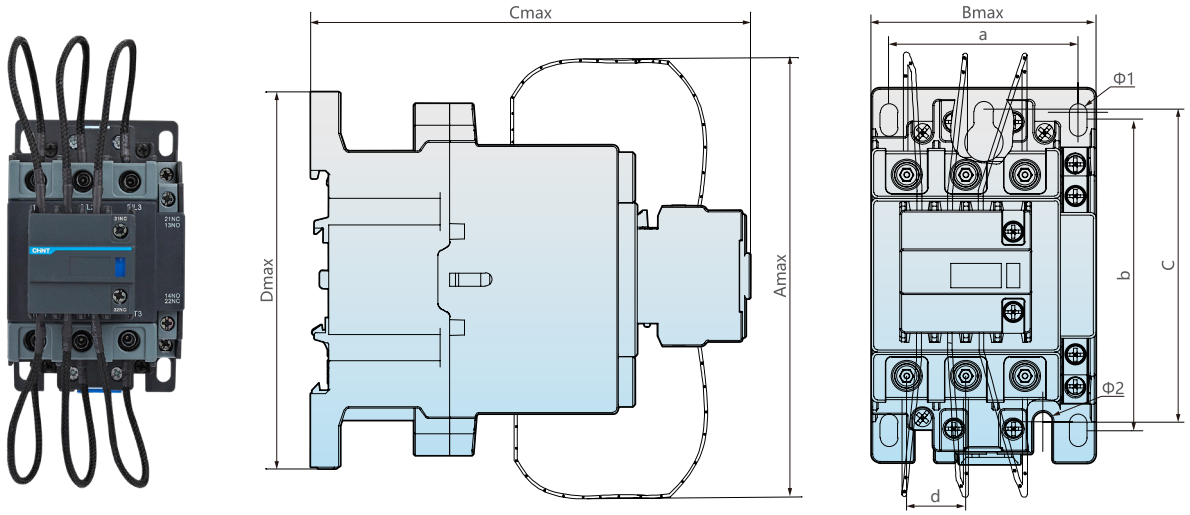
NXCC-25~43 appearance and installation dimensions



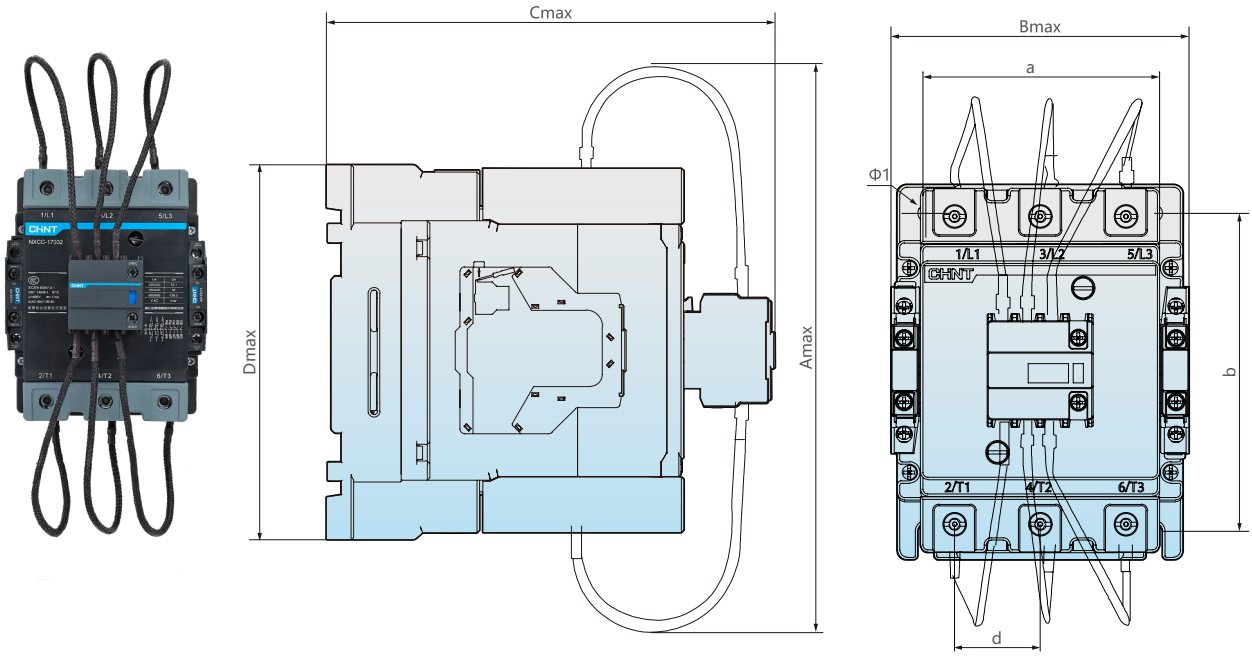




NXCC-63~115 appearance and installation dimensionsda



NXCC-150~170 appearance and installation dimensions



Model type	Amax	Bmax	Cmax	Dmax	a	b	c	d	Φ1	Φ2	Remarks
NXCC-25	80	45.5	122	75	35±0.31	48±0.31	-	11.4	4.5	-	Installation by screws or by 35mm din rail
NXCC-32~43	90	56.5	129	87	40±0.31	48±0.31	-	14.2	4.5	-	
NXCC-63	132	77	151	129	64±0.32	100~110	105±0.57	20	6	6.5	Installation by screws or by 35mm/75mm din rail
NXCC-95~115	135	87	160	132	74±0.32	105~118.5	105±0.57	24	6.2	6.5	
NXCC-150~170	203	127	190	160	96±0.5	133.6±0.8	-	36	7	-	Screw mounting

NXCC	-	25	12	110V	50/60Hz
Product Series		**Conventional thermal current (Ith)**	**Auxiliary Contact**	**Control Voltage**	**Frequency**
		25: 25A 32: 32A 43: 43A 63: 63A 95: 95A 115: 115A 150: 150A 170: 170A	12: 1NO+2NC (25~115A) 21: 2NO+1NC (25~115A) 23: 2NO+3NC (150~170A) 32: 3NO+2NC (150~170A)	110V: AC110V 127V: AC127V 220V: AC220V 380V: AC380V 415V: AC415V 440V: AC440V	50/60Hz

NXCC Contactor 25~170A

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-2512 110V 50/60Hz	506892
25A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-2512 127V 50/60Hz	506893
25A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-2512 220V 50/60Hz	506894
25A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-2512 380V 50/60Hz	506895
25A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-2512 415V 50/60Hz	506896
25A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-2512 440V 50/60Hz	510247
25A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-2521 110V 50/60Hz	506897
25A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-2521 127V 50/60Hz	506898
25A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-2521 220V 50/60Hz	506899
25A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-2521 380V 50/60Hz	506900
25A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-2521 415V 50/60Hz	506901
25A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-2521 440V 50/60Hz	510248
32A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-3212 110V 50/60Hz	506902
32A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-3212 127V 50/60Hz	506903
32A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-3212 220V 50/60Hz	506904
32A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-3212 380V 50/60Hz	506905
32A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-3212 415V 50/60Hz	506906
32A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-3212 440V 50/60Hz	510249
32A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-3221 110V 50/60Hz	506907
32A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-3221 127V 50/60Hz	506908
32A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-3221 220V 50/60Hz	506909
32A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-3221 380V 50/60Hz	506910
32A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-3221 415V 50/60Hz	506911
32A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-3221 440V 50/60Hz	510250
43A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-4312 110V 50/60Hz	506912
43A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-4312 127V 50/60Hz	506913
43A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-4312 220V 50/60Hz	506914
43A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-4312 380V 50/60Hz	506915
43A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-4312 415V 50/60Hz	506916
43A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-4312 440V 50/60Hz	510251
43A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-4321 110V 50/60Hz	506917
43A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-4321 127V 50/60Hz	506918
43A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-4321 220V 50/60Hz	506919
43A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-4321 380V 50/60Hz	506920
43A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-4321 415V 50/60Hz	506921
43A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-4321 440V 50/60Hz	510252
63A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-6312 110V 50/60Hz	506922
63A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-6312 127V 50/60Hz	506923
63A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-6312 220V 50/60Hz	506924
63A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-6312 380V 50/60Hz	506925
63A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-6312 415V 50/60Hz	506926
63A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-6312 440V 50/60Hz	510253
63A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-6321 110V 50/60Hz	506927
63A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-6321 127V 50/60Hz	506928

Ith	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-6321 220V 50/60Hz	506929
63A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-6321 380V 50/60Hz	506930
63A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-6321 415V 50/60Hz	506931
63A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-6321 440V 50/60Hz	510254
95A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-9512 110V 50/60Hz	506932
95A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-9512 127V 50/60Hz	506933
95A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-9512 220V 50/60Hz	506934
95A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-9512 380V 50/60Hz	506935
95A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-9512 415V 50/60Hz	506936
95A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-9512 440V 50/60Hz	510255
95A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-9521 110V 50/60Hz	506937
95A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-9521 127V 50/60Hz	506938
95A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-9521 220V 50/60Hz	506939
95A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-9521 380V 50/60Hz	506940
95A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-9521 415V 50/60Hz	506941
95A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-9521 440V 50/60Hz	510256
115A	3P	1NO+2NC	AC 110V 50/60Hz	NXCC-11512 110V 50/60Hz	506862
115A	3P	1NO+2NC	AC 127V 50/60Hz	NXCC-11512 127V 50/60Hz	506863
115A	3P	1NO+2NC	AC 220V 50/60Hz	NXCC-11512 220V 50/60Hz	506864
115A	3P	1NO+2NC	AC 380V 50/60Hz	NXCC-11512 380V 50/60Hz	506865
115A	3P	1NO+2NC	AC 415V 50/60Hz	NXCC-11512 415V 50/60Hz	506866
115A	3P	1NO+2NC	AC 440V 50/60Hz	NXCC-11512 440V 50/60Hz	510241
115A	3P	2NO+1NC	AC 110V 50/60Hz	NXCC-11521 110V 50/60Hz	506867
115A	3P	2NO+1NC	AC 127V 50/60Hz	NXCC-11521 127V 50/60Hz	506868
115A	3P	2NO+1NC	AC 220V 50/60Hz	NXCC-11521 220V 50/60Hz	506869
115A	3P	2NO+1NC	AC 380V 50/60Hz	NXCC-11521 380V 50/60Hz	506870
115A	3P	2NO+1NC	AC 415V 50/60Hz	NXCC-11521 415V 50/60Hz	506871
115A	3P	2NO+1NC	AC 440V 50/60Hz	NXCC-11521 440V 50/60Hz	510242
150A	3P	2NO+3NC	AC 110V 50/60Hz	NXCC-15023 110V 50/60Hz	506872
150A	3P	2NO+3NC	AC 127V 50/60Hz	NXCC-15023 127V 50/60Hz	506873
150A	3P	2NO+3NC	AC 220V 50/60Hz	NXCC-15023 220V 50/60Hz	506874
150A	3P	2NO+3NC	AC 380V 50/60Hz	NXCC-15023 380V 50/60Hz	506875
150A	3P	2NO+3NC	AC 415V 50/60Hz	NXCC-15023 415V 50/60Hz	506876
150A	3P	2NO+3NC	AC 440V 50/60Hz	NXCC-15023 440V 50/60Hz	510243
150A	3P	3NO+2NC	AC 110V 50/60Hz	NXCC-15032 110V 50/60Hz	506877
150A	3P	3NO+2NC	AC 127V 50/60Hz	NXCC-15032 127V 50/60Hz	506878
150A	3P	3NO+2NC	AC 220V 50/60Hz	NXCC-15032 220V 50/60Hz	506879
150A	3P	3NO+2NC	AC 380V 50/60Hz	NXCC-15032 380V 50/60Hz	506880
150A	3P	3NO+2NC	AC 415V 50/60Hz	NXCC-15032 415V 50/60Hz	506881
150A	3P	3NO+2NC	AC 440V 50/60Hz	NXCC-15032 440V 50/60Hz	510244
170A	3P	2NO+3NC	AC 110V 50/60Hz	NXCC-17023 110V 50/60Hz	506882
170A	3P	2NO+3NC	AC 127V 50/60Hz	NXCC-17023 127V 50/60Hz	506883
170A	3P	2NO+3NC	AC 220V 50/60Hz	NXCC-17023 220V 50/60Hz	506884
170A	3P	2NO+3NC	AC 380V 50/60Hz	NXCC-17023 380V 50/60Hz	506885
170A	3P	2NO+3NC	AC 415V 50/60Hz	NXCC-17023 415V 50/60Hz	506886
170A	3P	2NO+3NC	AC 440V 50/60Hz	NXCC-17023 440V 50/60Hz	510245
170A	3P	3NO+2NC	AC 110V 50/60Hz	NXCC-17032 110V 50/60Hz	506887
170A	3P	3NO+2NC	AC 127V 50/60Hz	NXCC-17032 127V 50/60Hz	506888
170A	3P	3NO+2NC	AC 220V 50/60Hz	NXCC-17032 220V 50/60Hz	506889
170A	3P	3NO+2NC	AC 380V 50/60Hz	NXCC-17032 380V 50/60Hz	506890
170A	3P	3NO+2NC	AC 415V 50/60Hz	NXCC-17032 415V 50/60Hz	506891
170A	3P	3NO+2NC	AC 440V 50/60Hz	NXCC-17032 440V 50/60Hz	510246