

Auxiliary Contacts

Contact Configuration Code



This two-digit code is found on the auxiliary contact to assist in identifying the specific contact configuration. The first digit indicates the quantity of NO contacts and the second indicates the quantity of NC contacts.

NEMA Sizes 00–2—IEC Sizes A–K

The auxiliary contacts listed on this page are designed for installation on Freedom Series starters and contactors. Snap-on design facilitates quick, easy installation.

These bifurcated design contact blocks, featuring silver cadmium alloy contacts, are well suited for use in very low energy (logic level) circuits.

NEMA Sizes 00–2—IEC Sizes A–K ①

	Description	Contact Configuration Code ②	Catalog Number
Side Mounted 	Side Mounted		
	1NO	10	C320KGS1
	1NC	01	C320KGS2
	1NO-1NC	11	C320KGS3
	2NO	20	C320KGS4
	2NC	02	C320KGS5
	1NO-1NCI	N/A	C320KGS6
	1NO (EC)-1NC (LO)	N/A	C320KGS7
Top Mounted 	1NCI	N/A	C320KGS8
	Top Mounted		
	1NO	10	C320KGT1
	1NC	01	C320KGT2
	1NO-1NC	11	C320KGT3
	2NO	20	C320KGT4
	2NC	02	C320KGT5
	1NO-1NCI	N/A	C320KGT6
	1NO (EC)-1NC (LO)	N/A	C320KGT7
	1NCI	N/A	C320KGT8
	3NO	30	C320KGT9
	2NO-1NC	21	C320KGT10
	1NO-2NC	12	C320KGT11
	3NC	03	C320KGT12
	4NO	40	C320KGT13
	3NO-1NC	31	C320KGT14
	2NO-2NC	22	C320KGT15
	1NO-3NC	13	C320KGT16
	4NC	04	C320KGT17
	3NO-1NCI	N/A	C320KGT18
	2NO-1NCI-1NC	N/A	C320KGT19
	2NO-1NO (EC)-1NC (LO)	N/A	C320KGT20
	1NO-1NC-1NO (EC)-1NC (LO)	N/A	C320KGT21

Notes

① NCI = Normally Closed early opening designed for use in reversing applications. EC = Early Closing. LO = Late Opening.

② For reference only—not part of catalog number.

NEMA Sizes 3–8—IEC Sizes L–Z

2

C320KGS42

Base Auxiliary Contacts—
NEMA Sizes 3–5, IEC Sizes L–S

Circuit	Contact Configuration Code ^①	NEMA Size 3 IEC Sizes L–N Catalog Number	NEMA Sizes 4–5 IEC Sizes P–S Catalog Number
NO	10	C320KGS31	C320KGS41
NO-NC	11	C320KGS32	C320KGS42

C320KGS22

Auxiliary Contacts—NEMA Sizes 3–5,
IEC Sizes L–S

Circuit	Contact Configuration Code ^①	Catalog Number
NO	10	C320KGS20
NC	01	C320KGS21
NO-NC ^②	11	C320KGS22
Sealed Logic Level		
NO	10	C320KGS20L
NC	01	C320KGS21L
NO-NC ^③	11	C320KGS22L

Auxiliary Contacts—NEMA Sizes 6–8,
IEC Sizes T–Z

Circuit	Contact Configuration Code ^①	Size	Catalog Number
NO-NC	11	NEMA 8, IEC Z	C320KA5
2NO-2NC	22	NEMA 6–7	C320KA6
2NO-2NC	22	IEC T–X	C320KA8

Auxiliary Contact Ratings (Amperes)

Ratings—NEMA A600

Current	AC Volts			
	120V	240V	480V	600V
Make	60	30	15	12
Break	6	3	1.5	1
Continuous	10	10	10	10

Ratings—NEMA P300

Continuous Thermal Rating: 5A

DC Volts	Make/Break Amperes
125	1.10
250	0.55

Ratings—Logic Level

Minimum Ratings for Logic Level and Hostile Atmosphere Application

Minimum Amperes	20 mA
Minimum Volts	24 Vac/Vdc

Ratings C320KGS20L, C320KGS21L, C320KGS22L

DC-12		AC-12	
U _e	I _e	U _e	I _e
80	0.1	250	0.1

Notes

^① For reference only—not part of catalog number.

^② NO-NC occupies two position—L2 and L3, or R2 and R3. See figure on **Page V5-T2-27**.

^③ Form C contacts.

Auxiliary Contact Location

NEMA Sizes 00–2, IEC Sizes A–K

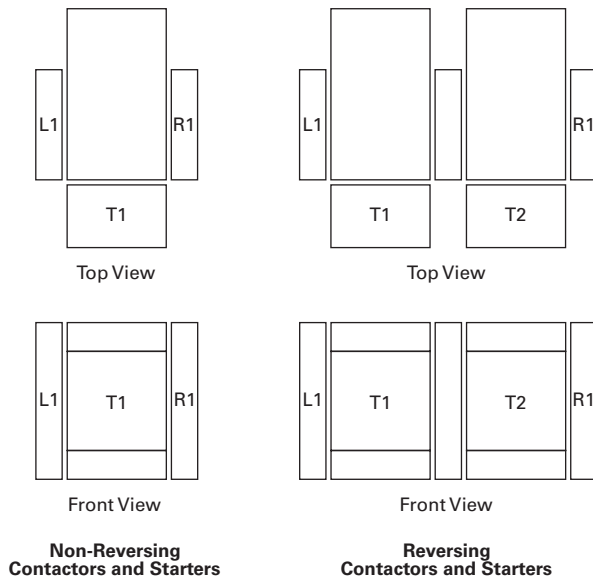
The sketches below illustrate the maximum number of auxiliary contacts that can be

assembled to a contactor or starter and their locations.

Auxiliary Contacts

Size	Poles	Available Mounting Positions ^{①②}		Catalog Number
		Open Type	Enclosed	
A–K	3	T1, L1	L1	AE16
00	3	T1, L1, R1	L1	AN16
0–2	3	T1, L1	L1	
A–K	3	L1, R1	L1, R1	AE56
00–2	3	T1, T2	—	AN56
A–C	2–4	T1, L1, R1	L1, R1	CE15
D–K	3	T1, L1	L1	
G–J	4	T1, R1	—	
G–J	5	T1	—	
00	2–4	T1, L1, R1	L1	CN15
0–2	2–3	T1, L1	L1	
1, 2	4	T1, L1	—	
1, 2	5	T1, L1	—	
10A	2–4	T1, L1, R1	L1	CN35
20–60A	2–3	T1, L1	L1	
60A	4	T1, L1	—	
60A	5	T1, L1	—	
A–K	3	L1, R1	L1, R1	CE55
00–2	3	T1, T2	—	CN55

Auxiliary Contact Location



NEMA Sizes 3–8, IEC Sizes L–Z

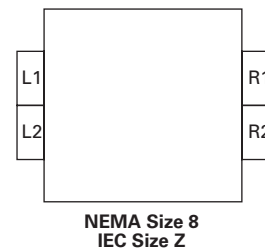
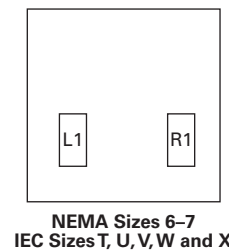
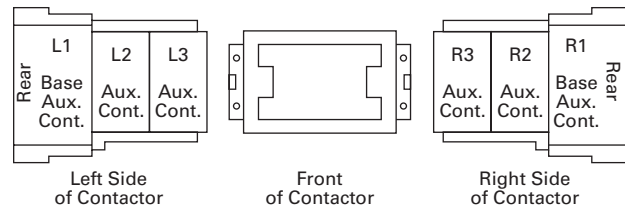
The sketches below illustrate the maximum number of auxiliary contacts that can be assembled to a contactor and their locations.

Note: A base auxiliary contact must be added in position R1 before additional auxiliary contacts can be mounted on NEMA Size 3 and IEC Sizes L–N, or in L1 on NEMA Sizes 4–5 and IEC Sizes P–S.

Mounting Positions

Size	Available Mounting Positions ^①
NEMA Size 3, IEC Sizes L–N	R2, R3, L1, L2, L3
NEMA Sizes 4–5, IEC Sizes P–S	L2, L3, R1, R2, R3
NEMA Sizes 6–7, IEC Sizes T–X	R1
NEMA Size 8, IEC Size Z	L2, R2

Auxiliary Contact Location



Notes

- ① Available positions on contactors or starters other than what is factory installed.
- ② When a pneumatic timer is mounted on contactor, only side mounted auxiliary contact positions are available. The solid-state timer, when added, takes up side mounted auxiliary contact position.