

## 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 |
|----------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|----------------|
| <b>Side Mounted</b><br> | <b>Side Mounted</b>       |                              |                |
|                                                                                                          | 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       |
| <b>Top Mounted</b><br> | 1NCI                      | N/A                          | C320KGS8       |
|                                                                                                          | <b>Top Mounted</b>        |                              |                |
|                                                                                                          | 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

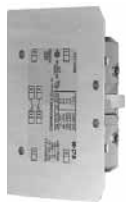
① NCI = Normally Closed early opening designed for use in reversing applications. EC = Early Closing. LO = Late Opening.

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 <sup>①</sup> | NEMA Size 3<br>IEC Sizes L–N<br>Catalog Number | NEMA Sizes 4–5<br>IEC Sizes P–S<br>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 <sup>①</sup> | Catalog Number |
|---------------------------|-----------------------------------------|----------------|
| NO                        | 10                                      | C320KGS20      |
| NC                        | 01                                      | C320KGS21      |
| NO-NC <sup>②</sup>        | 11                                      | C320KGS22      |
| <b>Sealed Logic Level</b> |                                         |                |
| NO                        | 10                                      | C320KGS20L     |
| NC                        | 01                                      | C320KGS21L     |
| NO-NC <sup>③</sup>        | 11                                      | C320KGS22L     |

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

| Circuit | Contact Configuration Code <sup>①</sup> | 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 <sub>e</sub> | I <sub>e</sub> | U <sub>e</sub> | I <sub>e</sub> |
| 80             | 0.1            | 250            | 0.1            |

## Notes

<sup>①</sup> For reference only—not part of catalog number.

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

<sup>③</sup> Form C contacts.