

Bulletin 100-C Contactors

Bulletin 100-C/104-C — IEC Contactors

- Compact sizes from 4...55 kW/5...75 Hp (9...97 A)
- AC and DC coil control
- Common accessories for all contactor sizes
- Front and side mounting of auxiliary contacts
- Electronic and pneumatic timing modules
- Space-saving coil-mounted control modules
- Reversible coil terminations (line or load side)
- All devices can be attached to 35 mm DIN mounting Rail
- Environmentally friendly materials

The Bulletin 100-C/104-C IEC contactor family, along with a wide range of common accessories and Bulletin 193 solid-state overload relays, provides the most compact and flexible starter component system available.

Your order must include: cat. no. of the contactor specified with coil voltage code and, if required, cat. no. of any accessories and/or replacement coils.

Standards Compliance

EN/IEC 60947-4-1, 60947-5-1

IEC 60947 Type "2" Coordination

CSA C22.2 No. 14

UL 508

Meets the material restrictions for European Directive 2002/95/IEC-EU-RoHS



Certifications

CE Marked

cULus Listed (File No. E3125; Guide NLDX, NLDX7)

CCC

3-Pole AC- and DC-Operated Contactors

| I _e [A] | | Ratings for Switching AC Motors — AC-2, AC-3, AC-4 | | | | | | | | | | Aux. Contacts | | Cat. No. |
|--------------------|------|--|-----------|------|------|------------|-------|---------|-------|-------|-------|--|--|----------------------------|
| AC-3 | AC-1 | 3-Phase kW (50 Hz) | | | | Hp (60 Hz) | | | | | |  |  | |
| | | 230V | 400V/415V | 500V | 690V | 1-Phase | | 3-Phase | | | | | | |
| | | | | | | 115V | 230V | 200V | 230V | 460V | 575V | | | |
| 9 | 32 | 3 | 4 | 4 | 4 | 1/2 | 1-1/2 | 2 | 2 | 5 | 7-1/2 | 1 | 0 | \$ 100-C09 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | \$ 100-C09 [Ⓢ] 01 |
| 12 | 32 | 4 | 5.5 | 5.5 | 5.5 | 1/2 | 2 | 3 | 3 | 7-1/2 | 10 | 1 | 0 | \$ 100-C12 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | \$ 100-C12 [Ⓢ] 01 |
| 16 | 32 | 5.5 | 7.5 | 7.5 | 7.5 | 1 | 3 | 5 | 5 | 10 | 15 | 1 | 0 | \$ 100-C16 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | \$ 100-C16 [Ⓢ] 01 |
| 23 | 32 | 7.5 | 11 | 13 | 10 | 2 | 3 | 5 | 7-1/2 | 15 | 15 | 1 | 0 | 100-C23 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C23 [Ⓢ] 01 |
| 30 | 65 | 10 | 15 | 15 | 15 | 2 | 5 | 7-1/2 | 10 | 20 | 25 | 0 | 0 | 100-C30 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C30 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C30 [Ⓢ] 01 |
| 37 | 65 | 11 | 18.5/20 | 20 | 18.5 | 3 | 5 | 10 | 10 | 25 | 30 | 0 | 0 | 100-C37 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C37 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C37 [Ⓢ] 01 |
| 43 | 85 | 13 | 22 | 25 | 22 | 3 | 7-1/2 | 10 | 15 | 30 | 30 | 0 | 0 | 100-C43 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C43 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C43 [Ⓢ] 01 |
| 60 | 100 | 18.5 | 32 | 37 | 32 | 5 | 10 | 15 | 20 | 40 | 50 | 0 | 0 | 100-C60 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C60 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C60 [Ⓢ] 01 |
| 72 | 100 | 22 | 40 | 45 | 40 | 5 | 15 | 20 | 25 | 50 | 60 | 0 | 0 | 100-C72 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C72 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C72 [Ⓢ] 01 |
| 85 | 100 | 25 | 45 | 55 | 45 | 7-1/2 | 15 | 25 | 30 | 60 | 60 | 0 | 0 | 100-C85 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C85 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C85 [Ⓢ] 01 |
| 97 | 130 | 30 | 55 | 55 | 55 | 10 | 20 | 30 | 30 | 75 | 75 | 0 | 0 | 100-C97 [Ⓢ] 00 |
| | | | | | | | | | | | | 1 | 0 | 100-C97 [Ⓢ] 10 |
| | | | | | | | | | | | | 0 | 1 | 100-C97 [Ⓢ] 01 |

§ For screwless terminals, add an "R" after the letter "C" in the catalog number. Example: Cat. No. 100-C09[Ⓢ]10 becomes Cat. No. 100-CR09[Ⓢ]10.

Ⓢ Coil voltage code and terminal position—see Ⓢ Coil Voltage Code and Terminal Position

4-Pole AC- and DC-Operated Contactors

The Cat. No. as listed is incomplete. Select a coil voltage code from the table below to complete the Cat. No. Example: 120V, 60Hz:

Cat. No. 100-C09®10 becomes **Cat. No.100-C09D10**.

| [V] | 12 | 24 | 32 | 36 | 42 | 48 | 100 | 100-110 | 110 | 120 | 127 | 200 | 200-220 | 208 | 208-240 | 220-230 | 230 | 230-240 | 240 | 277 | 347 | 380 | 380-400 | 400 | 400-415 | 440 | 480 | 500 | 550 | 600 |
|----------|----|----|----|----|----|----|-----|---------|-----|-----|-----|-----|---------|-----|---------|---------|-----|---------|-----|-----|-----|-----|---------|-----|---------|-----|-----|-----|-----|-----|
| Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 Hz | R | K | V | W | X | Y | KP | — | D | P | S | KG | L | — | — | F | — | VA | T | — | — | — | N | — | G | B | — | M | C | — |
| 60 Hz | Q | J | — | V | — | X | — | KP | — | D | — | — | KG | H | L | — | — | — | A | T | I | E | — | — | — | N | B | — | — | C |
| 50/60 Hz | — | KJ | — | — | — | KY | KP | — | KD | — | — | KG | KL§ | — | — | KL§ | KF | — | KA | — | — | — | — | KN | — | KB | — | — | — | — |

§ Not available on 100/104-C90 or -C97 contactors.

| DC Voltages [V] | 9 | 12 | 24 | 36 | 48 | 48-72 | 60 | 64 | 72 | 80 | 110 | 110-125 | 115 | 125 | 220 | 220-250 | 230 | 250 | | | | | | |
|-----------------|----------------------------------|----|----|----|----|-------|----|----|----|----|-----|---------|-----|-----|-----|---------|-----|-----|----|----|----|---|----|----|
| 100-C09...C43 | Standard | | | | | | ZR | ZQ | ZJ | ZW | ZY | — | ZZ | ZB | ZG | ZE | ZD | — | ZP | ZS | ZA | — | ZF | ZT |
| | with Integrated Diode | | | | | | — | — | DJ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | Electronic with Integrated Diode | | | | | | — | EO | EJ | — | — | EY | — | — | — | — | ED | — | — | — | EA | — | — | |
| 100-C60...C97 | with Integrated Diode | | | | | | DR | DO | DJ | DW | DY | — | DZ | DB | DG | DE | DD | — | DP | DS | DA | — | DF | DT |

Coil Terminal Position

• All contactors are delivered with the coil terminals located on the **line side**.

• For **load side** coil terminations, insert a “U” prior to the coil voltage code.
Ordering example: **Cat. No. 100-C09UD10**.



Cat. No.100-C09®10Line Side



Cat. No.100-C09U®10Load Side

Assignment of Contacts

Device Combinations in Accordance with IEC 60947-1 / -4-1