**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.

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**Standards Compliance**

EN/IEC 60947-4-1, 60947-5-1
IEC 60947 Type "2" Coordination
CSA Cert 2.2 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

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## Product Selection
### 3-Pole AC- and DC-Operated Contactors

| $I_e$ [A] | | Ratings for Switching AC Motors — AC-2, AC-3, AC-4 | | | | | | | | | | Aux. Contacts | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3-Phase kW (60 Hz) | | | | Hp (60 Hz) | | | | | | | | | |
| | | | | | | 1-Phase | | 3-Phase | | | | | | | |
| AC-3 | AC-1 | 230V | 400V/41 5V | 500V | 690V | 115V | 230V | 200V | 230V | 460V | 575V | N.O. | N.C. | | Cat. No. |
| 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 | 15 | 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 page 2-131





### Reversing AC- and DC-Operated Contactors

Cat. No. 104-C09D22

Cat. No. 104-C30ZJ22

Cat. No. 104-C85D22

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| $I_e$ [A] | | Ratings for Switching AC Motors — AC-2, AC-3, AC-4 | | | | | | | | | | Auxiliary Contacts Installed per Contactor | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3-Phase kW (60 Hz) | | | | Hp (60 Hz) | | | | | | | | |
| | | | | | | 1-Phase | | 3-Phase | | | | | | |
| AC-3 | AC-1 | 230V | 400V/415V | 500V | 690V | 115V | 230V | 200V | 230V | 460V | 575V | N.O. | N.C.⋆ | Cat. No. |
| 9 | 32 | 3 | 4 | 4 | 4 | 1/2 | 1-1/2 | 2 | 2 | 5 | 7-1/2 | 1 | 1 | 104-C09●22 |
| 12 | 32 | 4 | 5.5 | 5.5 | 5.5 | 1/2 | 2 | 3 | 3 | 7-1/2 | 10 | 1 | 1 | 104-C12●22 |
| 16 | 32 | 5.5 | 7.5 | 7.5 | 7.5 | 1 | 3 | 5 | 5 | 10 | 15 | 1 | 1 | 104-C16●22 |
| 23 | 32 | 7.5 | 11 | 13 | 10 | 2 | 3 | 5 | 7-1/2 | 15 | 15 | 1 | 1 | 104-C23●22 |
| 30 | 65 | 10 | 15 | 15 | 15 | 2 | 5 | 7-1/2 | 10 | 20 | 25 | 0 | 1 | 104-C30●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C30●22 |
| 37 | 65 | 11 | 18.5/20 | 20 | 18.5 | 3 | 5 | 10 | 10 | 25 | 30 | 0 | 1 | 104-C37●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C37●22 |
| 43 | 85 | 13 | 22 | 25 | 22 | 3 | 7.5 | 10 | 15 | 30 | 30 | 0 | 1 | 104-C43●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C43●22 |
| 60 | 100 | 18.5 | 32 | 37 | 32 | 5 | 10 | 15 | 20 | 40 | 50 | 0 | 1 | 104-C60●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C60●22 |
| 72 | 100 | 22 | 40 | 45 | 40 | 5 | 15 | 20 | 25 | 50 | 60 | 0 | 1 | 104-C72●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C72●22 |
| 85 | 100 | 25 | 45 | 55 | 45 | 7-1/2 | 15 | 25 | 30 | 60 | 60 | 0 | 1 | 104-C85●02 |
| | | | | | | | | | | | | 1 | 1 | 104-C85●22 |
| 97 | 130 | 30 | 55 | 55 | 55 | 10 | 15 | 30 | 30 | 75 | 75 | 0 | 1 | **104-C97●02** |
| | | | | | | | | | | | | 1 | 1 | **104-C97●22** |

⋆ The N.C. auxiliary contact is supplied as part of the mechanical/electrical interlock.

### ⊗ Coil Voltage Code and Terminal Position

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] | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hz | 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 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Standard | ZR | ZQ | ZJ | ZW | ZY | — | ZZ | ZB | ZG | ZE | ZD | — | ZP | ZS | ZA | — | ZF | ZT |
| 100-C09…C43 | with Integrated Diode | — | — | DJ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Electronic with Integrated Diode | — | EQ | EJ | — | — | EY | — | — | — | — | ED | — | — | — | EA | — | — | — |
| 100-C60…C97 | with Integrated Diode | DR | DQ | 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●10 Line Side

Cat. No. 100-C09U●10 Load Side





### Assignment of Contacts

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| Auxiliary Contact Blocks | | Contactors 100-C (AC and DC Control) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Circuit Diagram | Control | 100-C09…⊗10<br>100-C12…⊗10<br>100-C16…⊗10<br>100-C23…⊗10 | 100-C09…⊗01<br>100-C12…⊗01<br>100-C16…⊗01<br>100-C23…⊗01 | 100-C30…⊗00<br>100-C37…⊗00<br>100-C43…⊗00<br>100-C60…⊗00<br>100-C72…⊗00<br>100-C85…⊗00<br>100-C97…⊗00 | 100-C09…⊗400<br>100-C12…⊗400<br>100-C16…⊗400<br>100-C23…⊗400<br>100-C40…⊗400<br>100-C90…⊗400 | 100-C09…⊗300<br>100-C12…⊗300<br>100-C16…⊗300<br>100-C23…⊗300 | 100-C09…⊗200<br>100-C12…⊗200<br>100-C16…⊗200<br>100-C23…⊗200<br>100-C40…⊗200<br>100-C90…⊗200 |
| Side Mounting ⋆ | | | | | | | |
| | AC/DC | 10 + 01 = 11 | 01 + 01 = 02 ‡ | 00 + 01 = 01 | 00 + 01 = 01 | 00 + 01 = 01 | 00 + 01 = 01 |
| | AC/DC | 10 + 10 = 20 ‡ | 01 + 10 = 11 | 00 + 10 = 10 | 00 + 10 = 10 | 00 + 10 = 10 | 00 + 10 = 10 |
| | AC/DC | 10 + 02 = 12 ‡ | — | 00 + 02 = 02 | 00 + 02 = 02 | 00 + 02 = 02 | 00 + 02 = 02 |
| | AC/DC | 10 + 11 = 21 ‡ | 01 + 11 = 12 ‡ | 00 + 11 = 11 | 00 + 11 = 11 | 00 + 11 = 11 | 00 + 11 = 11 |
|  | AC/DC | 10 + 20 = 30 ‡ | 01 + 20 = 21 ‡ | 00 + 20 = 20 | 00 + 20 = 20 | 00 + 20 = 20 | 00 + 20 = 20 |
|  | AC/DC | 10 + L11 = L21 ‡ | 01 + L11 = L12 ‡ | 00 + L11 = L11 | 00 + L11 = L11 | 00 + L11 = L11 | 00 + L11 = L11 |

⋆ Up to 8 auxiliary contacts possible: contactor + front mounted (AC max. 4 N.C. / DC max. 4 N.C.), side mounted (AC max. 2 N.O. / DC max. 2 N.O. and max. 2 N.C.).

⊗ Early make and/or late break.

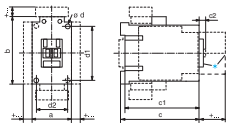
‡ Double numbering: because of double numbering only left-side mounting is recommended.



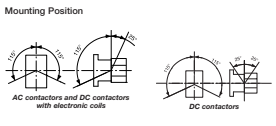


Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

### Bulletin 100-C Contactors and Accessories



Mounting Position



AC contactors and DC contactors with electronic coils



DC contactors

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### AC Contactors and DC Contactors with 12V or 24V Electronic Coils

| Cat. No. | a | b | c | c1 | c2 | Ød | d1 | d2 |
|---|---|---|---|---|---|---|---|---|
| 100-C09…100-C23 | 45 (1-25/32) | 81 (3-3/16) | 80.5 (3-11/64) | 75.5 (2-31/32) | 6 (15/64) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C30, 100-C37 | 45 (1-25/32) | 81 (3-3/16) | 97.5 (4) | 92.5 (3-41/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C40 | 59 (2-21/64) | 81 (3-3/16) | 100.5 (3-61/64) | 95.5 (3-49/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |
| 100-C43 | 54 (2-1/8) | 81 (3-3/16) | 100.5 (3-61/64) | 95.5 (3-49/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |
| 100-C60…100-C97 | 72 (2-53/64) | 122 (4-51/64) | 117 (4-39/64) | 111.5 (4-25/64) | 8.5 (21/64) | 4 - 5.4 (4 - 7/32) | 100 (3-15/16) | 55 (2-11/64) |
| 100-C90 | 95 (3-47/64) | 122 (4-51/64) | 117 (4-39/64) | 111.5 (4-25/64) | 8.5 (21/64) | 4 - 5.4 (4 - 7/32) | 100 (3-15/16) | 55 (2-11/64) |

### DC Contactors with Conventional Coils

| Cat. No. | a | b | c | c1 | c2 | Ød | d1 | d2 |
|---|---|---|---|---|---|---|---|---|
| 100-C09Z…100-C16Z | 45 (1-25/32) | 81 (3-3/16) | 106.5 (4-3/16) | 101.5 (4) | 6 (15/64) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C23Z | 45 (1-25/32) | 81 (3-3/16) | 123.5 (4-55/64) | 119 (4-43/64) | 6 (15/64) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C30Z…100-C37Z | 45 (1-25/32) | 81 (3-3/16) | 141.5 (5-37/64) | 136.5 (5-3/8) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C40Z | 59 (2-21/64) | 81 (3-3/16) | 144.5 (5-11/16) | 139.5 (5-1/2) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |
| 100-C43Z | 54 (2-1/8) | 81 (3-3/16) | 144.5 (5-11/16) | 139.5 (5-1/2) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |
| 100-C60D…100-C97D | 72 (2-53/64) | 122 (4-51/64) | 117 (4-39/64) | 111.5 (4-25/64) | 8.5 (21/64) | 4 - 5.4 (4 -7/32) | 100 (3-15/16) | 55 (2-11/64) |
| 100-C90D | 95 (3-47/64) | 81 (3-3/16) | 117 (4-39/64) | 111.5 (4-25/64) | 8.5 (21/64) | 4 - 5.4 (4 - 7/32) | 100 (3-15/16) | 55 (2-11/64) |

### DC Contactors with 110V or 220V DC Electronic Coils

| Cat. No. | a | b | c | c1 | c2 | Ød | d1 | d2 |
|---|---|---|---|---|---|---|---|---|
| 100-C09E…100-C23E | 45 (1-25/32) | 105 (4-1/8) | 80.5 (3-11/64) | 75.5 (2-31/32) | 6 (15/64) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C30E…100-C37E | 45 (1-25/32) | 105 (4-1/8) | 97.5 (4) | 92.5 (3-41/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 35 (1-3/8) |
| 100-C40EA…100-C40ED | 59 (2-21/64) | 105 (4-1/8) | 100.5 (3-61/64) | 95.5 (3-49/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |
| 100-C43EA…100-C43ED | 54 (2-1/8) | 105 (4-1/8) | 100.5 (3-61/64) | 95.5 (3-49/64) | 6.5 (1/4) | 2 - 4.5 (2 -3/16) | 60 (2-23/64) | 45 (1-25/32) |

### Accessories

| Contactors with | | mm | (inches) |
|---|---|---|---|
| Auxiliary contact block for front mounting | 2- or 4-pole | c/c1 + 39 | (c/c1 + 1-37/64) |
| Auxiliary contact block for side mounting | 1- or 2-pole | a + 9 | (a + 23/64) |
| Pneumatic Timing Module | | c/c1 + 58 | (c/c1 + 2-23/64) |
| Electronic Timing Module | on coil terminal side | b + 24 | (b + 15/16) |
| Mechanical Interlock | on side of contactor | a + 9 | (a + 23/64) |
| Mechanical Latch | | c/c1 + 61 | (c/c1 + 2-31/64) |
| Interface Module | on coil terminal side | b + 9 | (b + 23/64) |
| Surge Suppressor | on coil terminal side | b + 3 | (b + 1/8) |
| Labeling with ⋆ | label sheet | + 0 | (+ 0) |
| | marking tag sheet with clear cover | + 0 | (+ 0) |
| | marking tag adapter for System V4 / V5 | + 5.5 | (+ 7/32) |
| | marking tag adapter for System Bul. 1492W | + 5.5 | (+ 7/32) |
| Terminal Lug Kit | 100-C09…C23 | b + 53 | (b + 2-3/32) |
| | 100-C30…37 | b + 44 | (b + 1-47/64) |
| | 100-C43 | b + 52 | (b+ 2-3/64) |
| | 100-C60…C97 | b + 99 | (b + 3-7/8) |
| Paralleling Links | 100-C09…C23 | b + 78 | (b + 3-1/16) |
| | | c + 9/5 | (c + 3/8) |
| | 100-C30…C37 | b + 85 | (b + 3-11/32) |





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| | | | 100/104-K | | | 100/104-C, 100S/104S-C | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 05 | 09 | 12 | 09 | 12 | 16 | 23 | 30 | 37 | 40*200 | 40*400 | 43 | 60 |
| | Conventional | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Coil Type : | Electronic — EI | | — | — | — | — | — | — | — | — | — | — | — | — | — |
| **Switching of 3-phase Capacitors, AC-6b (50 Hz)⋆** | | | | | | | | | | | | | | | |
| Single capacitor 40 °C | 230V | [kVar] | — | — | — | 8 | 8 | 8.5 | 9 | 14 | 14 | — | — | 24 | 28 |
| | 240V | [kVar] | — | — | — | 8 | 8 | 8.5 | 9 | 14 | 14 | — | — | 25 | 29 |
| | 400V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 24 | — | — | 35 | 48 |
| | 415V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 25 | — | — | 35 | 50 |
| | 500V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 25 | — | — | 35 | 50 |
| | 690V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 25 | — | — | 35 | 50 |
| | 1000V | [kVar] | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 °C | 230V | [kVar] | — | — | — | 8 | 8 | 8.5 | 9 | 12.5 | 12.5 | — | — | 18 | 28 |
| | 240V | [kVar] | — | — | — | 8 | 8 | 8.5 | 9 | 12.5 | 12.5 | — | — | 18 | 29 |
| | 400V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 21.5 | — | — | 30 | 42 |
| | 415V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 22 | — | — | 30 | 42 |
| | 500V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 25 | — | — | 30 | 42 |
| | 690V | [kVar] | — | — | — | 8 | 8 | 10 | 12.5 | 20 | 25 | — | — | 30 | 42 |
| | 1000V | [kVar] | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Group capacitors 40 °C | 230V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 14 | — | — | 20 | 28 |
| | 240V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 14 | — | — | 20 | 29 |
| | 400V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 415V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 500V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 690V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 1000V | [kVar] | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 °C | 230V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 12.5 | — | — | 18 | 28 |
| | 240V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 12.5 | — | — | 18 | 29 |
| | 400V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 415V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 500V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 690V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 1000V | [kVar] | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 Hz Single Capacitor — 40 °C | 200V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 14 | — | — | 20 | 28 |
| | 230V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 14 | — | — | 20 | 29 |
| | 460V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 600V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| 60 Hz Group Capacitors — 40 °C | 200V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 12.5 | — | — | 18 | 28 |
| | 230V | [kVar] | — | — | — | 5 | 5 | 8 | 9 | 12.5 | 12.5 | — | — | 18 | 29 |
| | 460V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| | 600V | [kVar] | — | — | — | 5 | 5 | 8 | 10 | 15 | 20 | — | — | 25 | 40 |
| **Switching of Lamps** | | | | | | | | | | | | | | | |
| Gas discharge lamps AC-5a, 40 °C | open | [A] | 18 | 18 | 18 | 22.5 | 25 | 28 | 29 | 40.5 | 45 | 65 | 65 | 77 | 81 |
| | enclosed | [A] | 14.5 | 14.5 | 14.5 | 22.5 | 25 | 28 | 29 | 37 | 41 | 54 | 54 | 57 | 77 |
| Individually compensated: | | | | | | | | | | | | | | | |
| Max. capacitance at expected | | | | | | | | | | | | | | | |
| Short-circuit current of | 10 kA | [µF] | 750 | 750 | 750 | 1 000 | 1 000 | 1 000 | 1 000 | 2 700 | 2 700 | — | — | 3 200 | 4 000 |
| | 20 kA | [µF] | 400 | 400 | 400 | 500 | 500 | 500 | 500 | 1 350 | 1 350 | — | — | 1 600 | 2 000 |
| | 50 kA | [µF] | — | — | — | 200 | 200 | 200 | 200 | 540 | 540 | — | — | 640 | 800 |
| Filament AC-5b | 230/240V | [A] | 5 | 9 | 9 | 12 | 16 | 18 | 22 | 30 | 37 | 18 | 25 | 43 | 60 |
| **Switching of Low Inductive Loads in Home Appliances and Similar Applications per IEC 61095 (50 Hz)** | | | | | | | | | | | | | | | |
| **AC-7a** | 230V | [A] | 20 | 20 | 20 | 32 | 32 | 32 | 32 | 45 | 45 | — | — | 63 | — |
| | 400V | [A] | 20 | 20 | 20 | 32 | 32 | 32 | 32 | 45 | 45 | — | — | 63 | — |
| | 440V | [A] | — | — | — | 32 | 32 | 32 | 32 | 45 | 45 | — | — | 63 | — |
| **Switching of Motor Load for Home Appliances (50 Hz)** | | | | | | | | | | | | | | | |
| **AC-7b** | 230V | [A] | 6 | 11 | 11 | 10.5 | 14 | 19 | 23 | 30 | — | — | — | — | — |
| | 400V | [A] | 6 | 11 | 11 | 9 | 12 | 16 | 20 | 30 | — | — | — | — | — |
| | 440V | [A] | — | — | — | 7.5 | 10 | 13.5 | 18 | 27 | — | — | — | — | — |

⋆ Inductance of leads between capacitors in parallel: min. 6 µH (100-C09…C30 contactors: min 30 µH)