

Product Details and Certifications

Cross Reference RA Part Number: 100-C23D10 C

 **Product: 100-C23D10**

Description: Contactor, IEC, 23A, 110V 50Hz / 120V 60Hz, Single Pack



Representative Photo Only (actual product may vary based on configuration selections)

CONTACTOR DATA

| | |
|---------------------------------|-----------------------|
| Terminal Type | Screw Terminals |
| Rated Operating Current, AC-3 | 23 A |
| Coil Voltage | 110V 50Hz / 120V 60Hz |
| Number of Poles | 3 Poles |
| Coil Termination | Line Side |
| Auxiliary Contact Configuration | 1 N.O. 0 N.C. |
| Packaging | Single Pack |

APPLICATION DATA

| | |
|----------------------|----|
| Electrical Standards | UL |
|----------------------|----|

LOAD DATA [OPTIONAL]

| | |
|----------------------|--|
| Utilization Category | AC-3 Squirrel-cage motor starting and stopping |
|----------------------|--|

LIFE DATA [OPTIONAL]

| | |
|-------------|--|
| Actual Life | Actual Life Cannot be Calculated (more information)... |
|-------------|--|

TERMINAL MARKING POSITIONS USED

| | |
|---------------------------------|------|
| 100-C or 104-C Contactor | 1_ |
| Front Mounted Auxiliary Contact | None |
| Left Side Auxiliary Contact | None |
| Right Side Auxiliary Contact | None |
| Interlock | None |

CERTIFICATIONS AND APPROVALS

UL
CSA
IEC
CE

DIMENSIONS AND WEIGHT






| | |
|-------------------|-------------|
| Weight (kg / lbs) | 0.40 / 0.87 |
|-------------------|-------------|

RECOMMENDED SPARE PARTS

| | |
|-------|----------------------------|
| TC473 | 1 110V 50Hz/120V 60Hz Coil |
|-------|----------------------------|

Contactors

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| |  |  |  |  |  |
|--------------------------|---|--|--|--|---|
| Bulletin | 100-K/104-K | 100-C/104-C | 100Q-C | 100-D/104-D | 100-G |
| Screw Terminals | ✓ | ✓ | ✓ | Thru-hole Threaded (630...860 A) | Thru-hole |
| Spring Terminals | ✓ (5...9 A) | ✓ (9...16 A) | — | — | — |
| Max. Current I_e | 12 A | 97 A | 37 A | 860 A | 1200 A |
| Current Rating | 5...12 A | 9...97 A | 16, 32 A | 115...860 A | 550...1200 A |
| Features | <ul style="list-style-type: none"> Mini-contactors Uniform panel mounting dimensions Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Made of environmentally friendly materials | <ul style="list-style-type: none"> Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Reversible coil terminals (line or load side) Common accessories Made of environmentally friendly materials | <ul style="list-style-type: none"> Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Reversible coil terminals (line or load side) Common accessories Made of environmentally friendly materials | <ul style="list-style-type: none"> Panel mounting only Made of environmentally friendly materials AC or DC coil control (conventional or electronic) Integrated PLC interface (electronic coil) | <ul style="list-style-type: none"> Panel mounting AC or DC coil control Horizontal or vertical interlock Latching 4th pole |
| Contacts | 3 power poles with internal N.O. or N.C. auxiliary contact, or 4 power poles. Optional front-mounted 2- or 4-pole external auxiliary contact block. | 3 power poles with internal N.O. or N.C. auxiliary contact or 4 power poles. Optional front- or side-mounted 1-, 2- or 4-pole external auxiliary contact block. | 3 main poles with front-mount resistor elements. Optional side-mounted 1-, 2- or 4-pole external auxiliary contact block. | 3 power poles with external N.O. and N.C. side-mounted auxiliary contact. Optional side-mounted 2-pole external auxiliary contact blocks | 3 power poles with N.O. and N.C. front-mounted auxiliary contact. Optional 4th pole and auxiliary contacts |
| Coil Voltages | AC = 24...600V, 50/60Hz DC = 12...250V | AC = 12...600V, 50/60Hz DC = 9...250V | AC = 12...600V, 50/60Hz DC = 12...250V | Conventional Coils Cat. Nos. 100-D115...D180 AC: 24...550V 50 Hz, 24...600V 60Hz, 100...277V 50/60Hz DC: 24...250V DC Electronic Coils Cat. Nos. 100-D115...D300 AC: 24...500V 50/60 Hz DC: 24...255V DC Cat. Nos. 100-D420 AC: 42...500V 50/60 Hz DC: 48...255V DC Cat. Nos. 100-D630...D860 AC: 100...600V 50/60 Hz DC: 110...255V DC | AC = 110...480V, 50/60Hz DC = 100...440V |
| Optional Overload Relays | Electronic or bimetallic | Electronic or bimetallic | — | Electronic | Electronic |
| Optional Accessories | <ul style="list-style-type: none"> Front-mount auxiliary contacts Surge suppressors Electronic timers Mechanical interlocks | <ul style="list-style-type: none"> Front or side-mount auxiliary contacts Surge suppressors Electronic or pneumatic timers Mechanical interlocks Mechanical latches | <ul style="list-style-type: none"> Side-mount auxiliary contacts Surge suppressors Electronic timers | <ul style="list-style-type: none"> Side-mount auxiliary contacts Surge suppressors IP20 terminal blocks Terminal shields Terminal covers Connecting components Terminal lugs Mechanical/electrical interlocks | <ul style="list-style-type: none"> Auxiliary contact 4th pole Vertical interlock Horizontal interlock Mechanical latch |
| Standards/Certifications | <ul style="list-style-type: none"> UL CSA IEC CE Marked CCC | <ul style="list-style-type: none"> UL CSA IEC CE Marked CCC | <ul style="list-style-type: none"> UL CSA IEC CE Marked | <ul style="list-style-type: none"> UL CSA IEC CE Marked CCC (115...180 A - conventional coil; 140...420 A - electronic coil) | <ul style="list-style-type: none"> UL CSA IEC CE Marked |
| Product Selection | Page 2-124 | Page 2-129 | Page 2-141 | Page 2-147 | Page 2-156 |

Catalog Explanation

100
- C
23
Ä
10

a
b
c
d
e

| | |
|----------|---|
| a | Size of Contactor |
| b | Rated Current (A) |
| c | Coil voltage and frequency |
| d | Auxiliary Contacts Configuration |
| e | Miscellaneous options |

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⊗ 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**.

| [M] | 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 | 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 | — | 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



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

Certifications

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

| Ie [A] | | Ratings for Switching AC Motors — AC-2, AC-3, AC-4 | | | | | | | | | | Aux. Contacts | | Cat. No. |
|-----------|-----------|--|-----------|-----------|-----------|------------|----------|----------|--------------|-----------|-----------|---------------|----------|-------------------|
| | | 3-Phase kW (50 Hz) | | | | Hp (60 Hz) | | | | | | N.O. | N.C. | |
| AC-3 | AC-1 | 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 |
| | | | | | | | | | | | | 0 | 0 | 100-C30⊗00 |
| 30 | 65 | 10 | 15 | 15 | 15 | 2 | 5 | 7-1/2 | 10 | 20 | 25 | 1 | 0 | 100-C30⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C30⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C37⊗00 |
| 37 | 65 | 11 | 18.5/20 | 20 | 18.5 | 3 | 5 | 10 | 10 | 25 | 30 | 1 | 0 | 100-C37⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C37⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C43⊗00 |
| 43 | 85 | 13 | 22 | 25 | 22 | 3 | 7-1/2 | 10 | 15 | 30 | 30 | 1 | 0 | 100-C43⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C43⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C60⊗00 |
| 60 | 100 | 18.5 | 32 | 37 | 32 | 5 | 10 | 15 | 20 | 40 | 50 | 1 | 0 | 100-C60⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C60⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C72⊗00 |
| 72 | 100 | 22 | 40 | 45 | 40 | 5 | 15 | 20 | 25 | 50 | 60 | 1 | 0 | 100-C72⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C72⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C85⊗00 |
| 85 | 100 | 25 | 45 | 55 | 45 | 7-1/2 | 15 | 25 | 30 | 60 | 60 | 1 | 0 | 100-C85⊗10 |
| | | | | | | | | | | | | 0 | 1 | 100-C85⊗01 |
| | | | | | | | | | | | | 0 | 0 | 100-C97⊗00 |
| 97 | 130 | 30 | 55 | 55 | 55 | 10 | 15 | 30 | 30 | 75 | 75 | 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