

C25 Definite purpose contactors



The more you know ... The more you value your options



C25 Definite purpose contactors

Knowledge is power

Features

- Eaton DP contactors are direct replacements to Siemens DP contactors
- Mounting holes align to 60A, eliminating re-tapping and re-design
- Eaton terminal sizes accommodate same or larger wire sizes for majority of contactor sizes
- Eaton offers completely encased design impervious to dust and other environmental elements
- Eaton 50A DP contactors are 15% smaller than Siemens 50A DP contactors
- Eaton contactors are RoHS compliant to 75A



EATON

Powering Business Worldwide

| Ampere Rating | | | Eaton | Siemens | GE | Tyco | AB | Square D |
|--|--------------------|-----------------------|----------------|----------------|----------------|-----------------|----------------|----------------|
| Inductive Full Load | Resistive per Pole | Coil Voltage 50/60 Hz | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number |
| Single-pole | | | | | | | | |
| 25 | 30 | 24 | C25ANB125T | N/A | CR453CB1HAA | 3100Y10Q1999 | N/A | N/A |
| | | 110–120 | C25ANB125A | N/A | CR453CB1AAA | 3100Y10T1999 | N/A | N/A |
| | | 208–240 | C25ANB125B | N/A | CR453CB1BAA | 3100Y10U1999 | N/A | N/A |
| 30 | 40 | 24 | C25ANB130T | N/A | CR453CC1HAA | 3100Y10Q2999 | N/A | N/A |
| | | 110–120 | C25ANB130A | N/A | CR453CC1AAA | 3100Y10T2999 | N/A | N/A |
| | | 208–240 | C25ANB130B | N/A | CR453CC1BAA | 3100Y10U2999 | N/A | N/A |
| 40 | 50 | 24 | C25ANF140T | N/A | N/A | 3100Y10Q19999 | N/A | N/A |
| | | 110–120 | C25ANF140A | N/A | N/A | 3100Y10T19999 | N/A | N/A |
| | | 208–240 | C25ANF140B | N/A | N/A | 3100Y10U19999 | N/A | N/A |
| Single-pole + Shunt—20A devices also available | | | | | | | | |
| 25 | 30 | 24 | C25CNB125T | 45DG10AJA | CR453CB3HAA | 3100Y15Q1999 | 400-DP25NJ1 | 8910DP21V14 |
| | | 110–120 | C25CNB125A | 45DG10AFA | CR453CB3AAA | 3100Y15T1999 | 400-DP25ND1 | 8910DP21V02 |
| | | 208–240 | C25CNB125B | 45DG10AGA | CR453CB3BAA | 3100Y15U1999 | 400-DP25NA1 | 8910DP21V09 |
| 30 | 40 | 24 | C25CNB130T | 45EG10AJA | CR453CC3HAA | 3100Y15Q2999 | 400-DP30NJ1 | 8910DP31V14 |
| | | 110–120 | C25CNB130A | 45EG10AFA | CR453CC3AAA | 3100Y15T2999 | 400-DP30ND1 | 8910DP31V02 |
| | | 208–240 | C25CNB130B | 45EG10AGA | CR453CC3BAA | 3100Y15U2999 | 400-DP30NA1 | 8910DP31V09 |
| 40 | 50 | 24 | C25CNB140T | 45GG10AJA | N/A | 3100Y15Q19999 | N/A | 8910DP41V14 |
| | | 110–120 | C25CNB140A | 45GG10AFA | N/A | 3100Y15T19999 | N/A | 8910DP41V02 |
| | | 208–240 | C25CNB140B | 45GG10AGA | N/A | 3100Y15U19999 | N/A | 8910DP41V09 |
| Two-pole (compact design) | | | | | | | | |
| 20 | 30 | 24 | C25BNB220T | 45CG20AJ | CR453CA2HAA | 3100Y20Q3999CL | N/A | 8910DP12V14 |
| | | 110–120 | C25BNB220A | 45CG20AF | CR453CA2AAA | 3100Y20T3999CL | N/A | 8910DP12V02 |
| | | 208–240 | C25BNB220B | 45CG20AG | CR453CA2BAA | 3100Y20U3999CL | N/A | 8910DP12V09 |
| 25 | 35 | 24 | C25BNB225T | 45DG20AJ | CR453CB2HAA | 3100Y20Q5999CL | 400-DP25NJ2 | 8910DP22V14 |
| | | 110–120 | C25BNB225A | 45DG20AF | CR453CB2AAA | 3100Y20T5999CL | 400-DP25ND2 | 8910DP22V02 |
| | | 208–240 | C25BNB225B | 45DG20AG | CR453CB2BAA | 3100Y20U5999CL | 400-DP25NA2 | 8910DP22V09 |
| 30 | 40 | 24 | C25BNB230T | 45EG20AJ | CR453CC2HAA | 3100Y20Q6999CL | 400-DP30NJ2 | 8910DP32V14 |
| | | 110–120 | C25BNB230A | 45EG20AF | CR453CC2AAA | 3100Y20T6999CL | 400-DP30ND2 | 8910DP32V02 |
| | | 208–240 | C25BNB230B | 45EG20AG | CR453CC2BAA | 3100Y20U6999CL | 400-DP30NA2 | 8910DP32V09 |
| 40 | 50 | 24 | C25BNB240T | 45GG20AJ | CR453CE2HBB | 3100Y20Q18999CL | N/A | 8910DP42V14 |
| | | 110–120 | C25BNB240A | 45GG20AF | CR453CE2ABB | 3100Y20T18999CL | N/A | 8910DP42V02 |
| | | 208–240 | C25BNB240B | 45GG20AG | CR453CE2BBB | 3100Y20U18999CL | N/A | 8910DP42V09 |
| 40 (with box lugs) | 50 | 24 | C25BNF240T | N/A | N/A | N/A | N/A | N/A |
| | | 110–120 | C25BNF240A | N/A | N/A | N/A | N/A | N/A |
| | | 208–240 | C25BNF240B | N/A | N/A | N/A | N/A | N/A |
| Two-pole (three-pole frame for attaching auxiliaries)—50, 60, 75 and 90A devices also available | | | | | | | | |
| 25 | 35 | 24 | C25DND225T | 42AF15AJBBI | CR453AB2HAA | 3100Y20Q8999 | N/A | 8910DPA22V14 |
| | | 110–120 | C25DND225A | 42AF15AFBBG | CR453AB2AAA | 3100Y20T8999 | N/A | 8910DPA22V02 |
| | | 208–240 | C25DND225B | 42AF15AGBBH | CR453AB2BAA | 3100Y20U8999 | N/A | 8910DPA22V09 |
| 30 | 40 | 24 | C25DND230T | 42BF15AJBBP | CR453AC2HAA | 3100Y20Q9999 | N/A | 8910DPA32V14 |
| | | 110–120 | C25DND230A | 42BF15AFBBM | CR453AC2AAA | 3100Y20T9999 | N/A | 8910DPA32V02 |
| | | 208–240 | C25DND230B | 42BF15AGBBN | CR453AC2BAA | 3100Y20U9999 | N/A | 8910DPA32V09 |
| 40 | 50 | 24 | C25DNF240T | 42CF15AJBBI | CR453AD2HAA | 3100Y20Q10999 | N/A | 8910DPA42V14 |
| | | 110–120 | C25DNF240A | 42CF15AFBBW | CR453AD2AAA | 3100Y20T10999 | N/A | 8910DPA42V02 |
| | | 208–240 | C25DNF240B | 42CF15AGBBX | CR453AD2BAA | 3100Y20U10999 | N/A | 8910DPA42V09 |

| Ampere Rating | | | Eaton | Siemens | GE | Tyco | AB | Square D |
|---|--------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Inductive Full Load | Resistive per Pole | Coil Voltage 50/60 Hz | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number |
| Three-pole | | | | | | | | |
| 25 | 30 | 24 | C25DND325T | 42AF35AJBBL | CR453AB3HAA | 3100Y30Q8999 | 400-DP25NJ3 | 8910DPA23V14 |
| | | 110–120 | C25DND325A | 42AF35AFBBJ | CR453AB3AAA | 3100Y30T8999 | 400-DP25ND3 | 8910DPA23V02 |
| | | 208–240 | C25DND325B | 42AF35AGBBK | CR453AB3BAA | 3100Y30U8999 | 400-DP25NA3 | 8910DPA23V09 |
| 30 | 40 | 24 | C25DND330T | 42BF35AJBBV | CR453AC3HAA | 3100Y30Q9999 | 400-DP30NJ3 | 8910DPA33V14 |
| | | 110–120 | C25DND330A | 42BF35AFBBT | CR453AC3AAA | 3100Y30T9999 | 400-DP30ND3 | 8910DPA33V02 |
| | | 208–240 | C25DND330B | 42BF35AGBBU | CR453AC3BAA | 3100Y30U9999 | 400-DP30NA3 | 8910DPA33V09 |
| 40 | 50 | 24 | C25DNF340T | 42CF35AJBCE | CR453AD3HAA | 3100Y30Q10999 | 400-DP40NJ3 | 8910DPA43V14 |
| | | 110–120 | C25DNF340A | 42CF35AFBCC | CR453AD3AAA | 3100Y30T10999 | 400-DP40ND3 | 8910DPA43V02 |
| | | 208–240 | C25DNF340B | 42CF35AGBCD | CR453AD3BAA | 3100Y30U10999 | 400-DP40NA3 | 8910DPA43V09 |
| 50 | 65 | 24 | C25DNJ350T | 42DF35AJBCH | CR353FE3BH1 | 3100Y30Q16999 | 400-DP50NJ3 | 8910DPA53V14 |
| | | 110–120 | C25DNJ350A | 42DF35AFBCF | CR353FE3BA1 | 3100Y30T16999 | 400-DP50ND3 | 8910DPA53V02 |
| | | 208–240 | C25DNJ350B | 42DF35AGBCG | CR353FE3BB1 | 3100Y30U16999 | 400-DP50NA3 | 8910DPA53V09 |
| 60 | 75 | 24 | C25FNF360T | 42EF35AJBCK | CR353FF3BH1 | 3100Y30Q17999 | 400-DP60NJ3 | 8910DPA63V14 |
| | | 110–120 | C25FNF360A | 42EF35AFBCI | CR353FF3BA1 | 3100Y30T17999 | 400-DP60ND3 | 8910DPA63V02 |
| | | 208–240 | C25FNF360B | 42EF35AGBCJ | CR353FF3BB1 | 3100Y30U17999 | 400-DP60NA3 | 8910DPA63V09 |
| 75 | 90 | 24 | C25FNF375T | 42FE35AJ106 | CR353EG3BH1 | 3186Y30Q75999 | 400-DP75NJ3 | 8910DPA73V14 |
| | | 110–120 | C25FNF375A | 42FE35AF106 | CR353EG3BA1 | 3186Y30T75999 | 400-DP75ND3 | 8910DPA73V02 |
| | | 208–240 | C25FNF375B | 42FE35AG106 | CR353EG3BB1 | 3186Y30U75999 | 400-DP75NA3 | 8910DPA73V09 |
| 90 | 120 | 24 | C25GNF390T | 42GE35AJ106 | CR353EH3BH1 | 3186Y30Q90999 | N/A | N/A |
| | | 110–120 | C25GNF390A | 42GE35AF106 | CR353EH3BA1 | 3186Y30T90999 | N/A | N/A |
| | | 208–240 | C25GNF390B | 42GE35AG106 | CR353EH3BB1 | 3186Y30U90999 | N/A | N/A |
| 120 | 140 | 24 | C25HNE3120T | 42HF35AJ | N/A | N/A | N/A | N/A |
| | | 110–120 | C25HNE3120A | 42HF35AF | N/A | N/A | N/A | N/A |
| | | 240 | C25HNE3120B | 42HF35AG | N/A | N/A | N/A | N/A |
| Four-pole—25A devices also available | | | | | | | | |
| 30 | 40 | 24 | C25END430T | 42BF25AJBBS | CR353AC4AH1 | 3100Y40Q9999 | N/A | 8910DPA34V14 |
| | | 104–120 | C25END430A | 42BF25AFBBQ | CR353AC4AA1 | 3100Y40T9999 | N/A | 8910DPA34V02 |
| | | 208–240 | C25END430B | 42BF25AGBBR | CR353AC4AB1 | 3100Y40U9999 | N/A | 8910DPA34V09 |
| 40 | 50 | 24 | C25ENF440T | 42CF25AJBCB | CR353AD4BH1 | 3100Y40Q10999 | N/A | 8910DPA44V14 |
| | | 104–120 | C25ENF440A | 42CF25AFBBZ | CR353AD4BA1 | 3100Y40T10999 | N/A | 8910DPA44V02 |
| | | 208–240 | C25ENF440B | 42CF25AGBCA | CR353AD4BB1 | 3100Y40U10999 | N/A | 8910DPA44V09 |

Magnet coil suffix

| Voltage 60 Hz | 50 Hz | Coil Suffix |
|---------------|---------|-------------|
| 24 | 24 | T |
| 110–120 | 110–120 | A |
| 208–240 | 208–240 | B |

① Class H AC coils available as option. Add **2** before AC coil suffix letter.

Additional AC/DC and Class H coils available in **Volume 5—Motor Control and Protection**, CA08100006E, Tab 4.

Three-phase starter—open type

Separate control, metal mounting plate.

| Ampere Rating | | | Ampere Rating | | |
|---------------------|--------------|------------------|---------------------|--------------|------------------|
| Inductive Full Load | Line Voltage | Catalog Number ② | Inductive Full Load | Line Voltage | Catalog Number ② |
| 15 | 115 | A27SNC15_ | 30 | 115 | A27SNC30_ |
| | 230 | A27SNC15_ | | 230 | A27SNC30_ |
| | 460 | A27SNC15_ | | 460 | A27SNC30_ |
| | 575 | A27SNC15_ | | 575 | A27SNC30_ |
| 25 | 115 | A27SNC25_ | 40 | 115 | A27SNC40_ |
| | 230 | A27SNC25_ | | 230 | A27SNC40_ |
| | 460 | A27SNC25_ | | 460 | A27SNC40_ |
| | 575 | A27SNC25_ | | 575 | A27SNC40_ |

② Incomplete catalog number. Replace underscore (_) with magnet coil suffix and overload relay suffix from tables shown on this page.

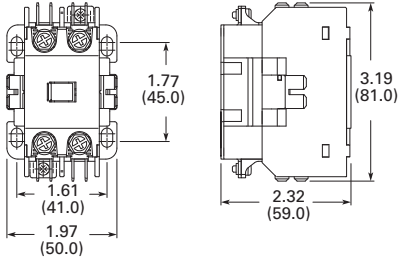
Overload relay suffix

| Motor Full Load Amperes | Suffix Code | Motor Full Load Amperes | Suffix Code |
|-------------------------|-------------|-------------------------|-------------|
| 15–25A Starters | | | |
| 0.1–0.16 | P16 | 30–40A Starters | |
| 0.16–0.24 | P24 | 6–10 | 010 |
| 0.24–0.4 | P40 | 10–16 | 016 |
| 0.4–0.6 | P60 | 16–24 | 024 |
| 0.6–1 | 001 | 24–40 | 040 |
| 1–1.6 | 1P6 | 40–57 | 057 |
| 1.6–2.4 | 2P4 | | |
| 2.4–4 | 004 | | |
| 4–6 | 006 | | |
| 6–10 | 010 | | |
| 10–16 | 016 | | |
| 16–24 | 024 | | |
| 24–32 | 032 | | |

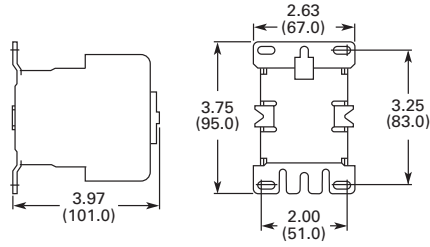
Dimensions

Approximate Dimensions in Inches (mm)

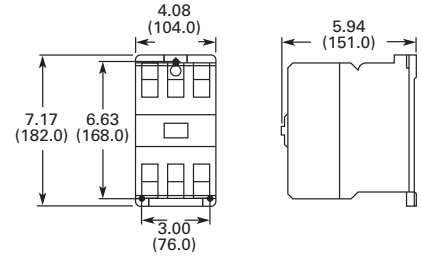
Compact 20-40A



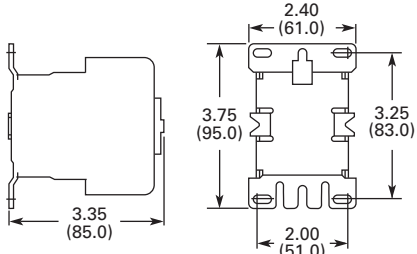
60-75A



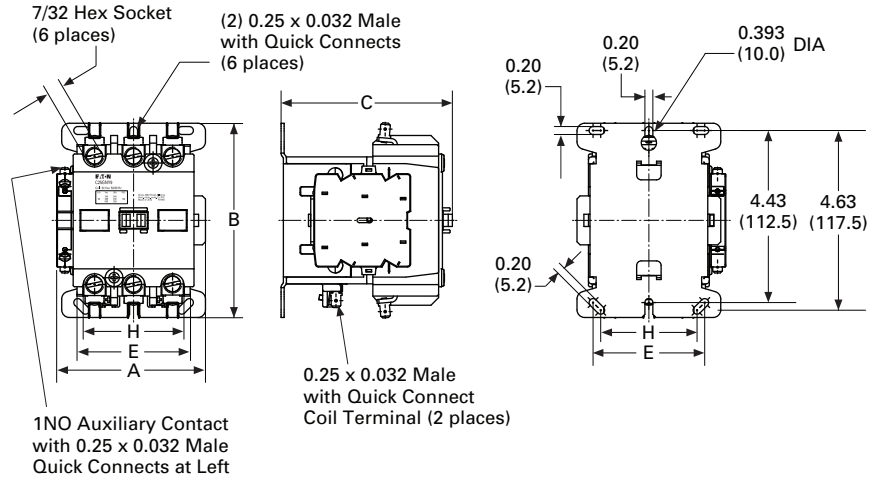
120A



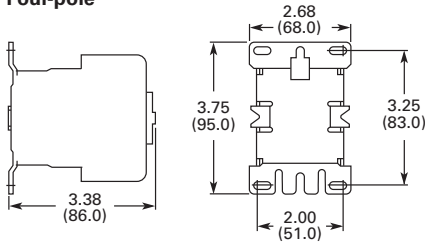
Two- and three-pole 15-50A



90A

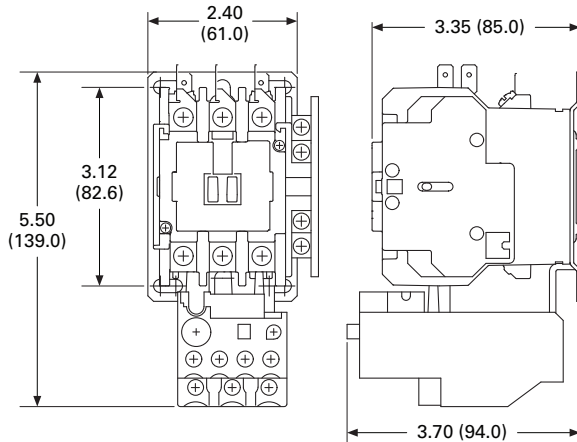


Four-pole

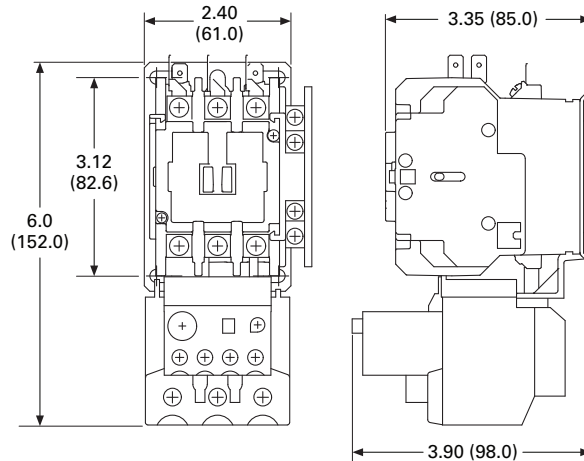


A27 and B27—Open Type

15 and 25 Ampere



30, 40 and 45 Ampere



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