

Application Description

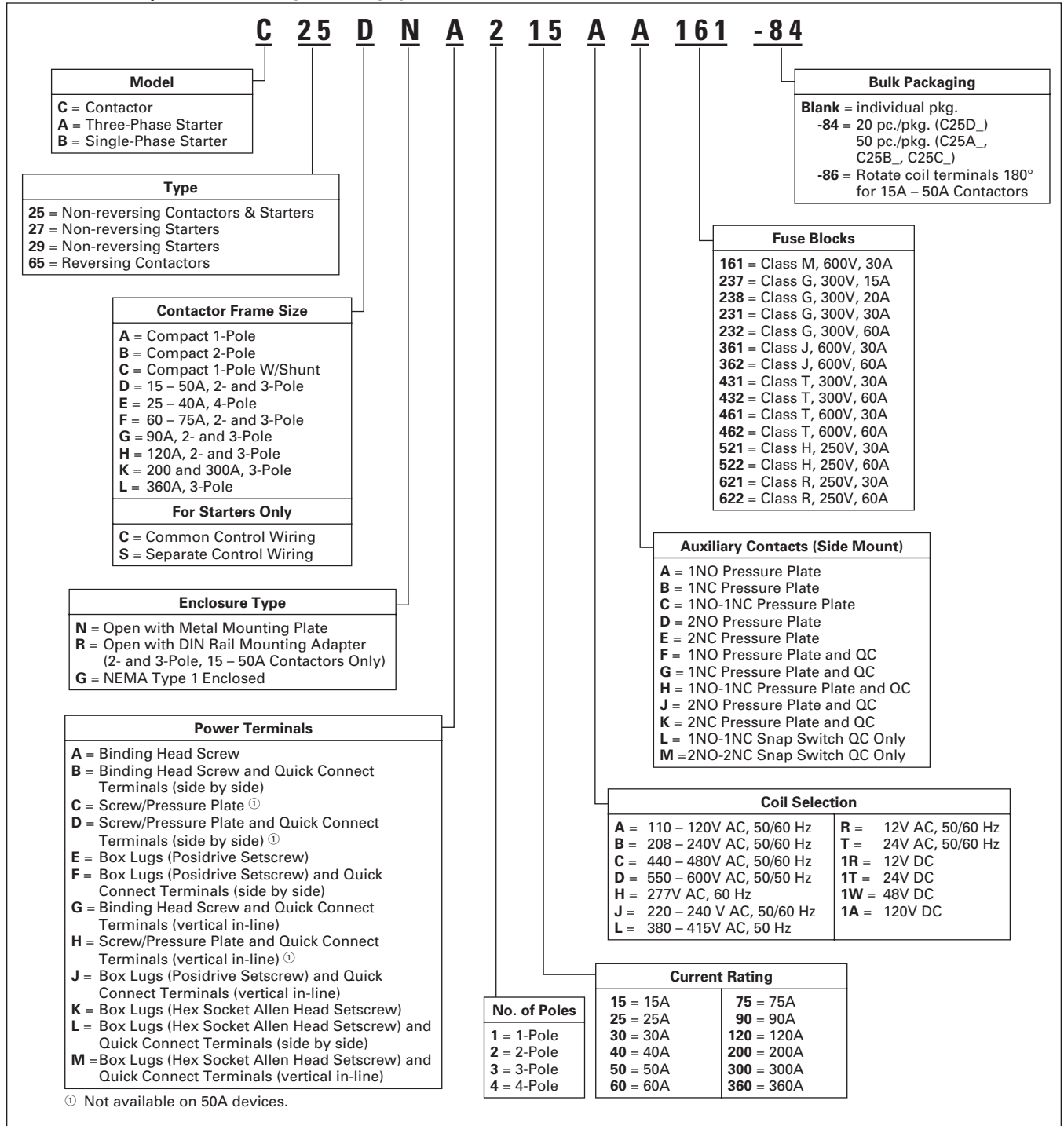
These Cutler-Hammer® ampere and horsepower rated devices from Eaton's electrical business are designed for service in applications such as Refrigeration, Air Conditioning and Resistance Heating and are manufactured to traditional Cutler-Hammer standards for quality and reliability. They are subjected to stringent quality assurance inspections and

testing procedures. The life expectancy, both electrical and mechanical, will meet or exceed industry performance requirements for Definite Purpose devices.

If more detailed technical information is required — specifications, ratings, etc. — contact your local Eaton distributor or sales office.

Catalog Number Selection

Table 1. Definite Purpose Control Catalog Numbering System



Product Selection

When Ordering Specify

- Catalog Number plus Magnet Coil Suffix, below.

- Modify Catalog Number for any options required — see Options, **Page 6**.

- Catalog Numbers of accessory kits required, **Page 6**.

Table 11. Catalog Numbering System

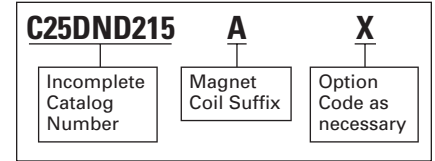


Table 12. C25 Contactors Product Selection— Open Type

| Rating, Amperes | | | | Maximum Motor Horsepower | | Maximum Motor Kilowatts | | Number of Poles | Open Type with Metal Mounting Plate | | Open Type with DIN Rail Adapter | |
|---------------------|--------------------|--------------|--------------|--------------------------|---------|-------------------------|---------|-----------------|-------------------------------------|---|---------------------------------|---|
| Inductive Full Load | Resistive per Pole | Line Voltage | Locked Rotor | 1-Phase | 3-Phase | 1-Phase | 3-Phase | | Catalog Number ①② | * | Catalog Number ①② | * |
| 15 | 20 | 115 | 90 | 3/4 | — | 0.40 | — | 2 | C25DND215 C25DND315 | | C25DRD215 C25DRD315 | |
| | | 230 | 90 | 2 | 3 | 1.5 | 2.2 | 3 | | | | |
| | | 460 | 75 | — | 5 | — | 3.7 | — | | | | |
| | | 575 | 60 | — | 5 | — | 3.7 | — | | | | |
| 25 | 35 | 115 | 150 | 2 | — | 1.5 | — | 2 | C25DND225 C25DND325 C25END425 | | C25DRD225 C25DRD325 | |
| | | 230 | 150 | 3 | 7-1/2 | 2.2 | 5.5 | 3 | | | | |
| | | 460 | 125 | — | 10 | — | 7.5 | 4 | | | | |
| | | 575 | 100 | — | 10 | — | 7.5 | — | | | | |
| 30 | 40 | 115 | 180 | 2 | — | 1.5 | — | 2 | C25DND230 C25DND330 C25END430 | | C25DRD230 C25DRD330 | |
| | | 230 | 180 | 5 | 10 | 3.7 | 7.5 | 3 | | | | |
| | | 460 | 150 | — | 15 | — | 11 | 4 | | | | |
| | | 575 | 120 | — | 15 | — | 11 | — | | | | |
| 40 | 50 | 115 | 240 | 3 | — | 2.2 | — | 2 | C25DNF240 C25DNF340 C25ENF440 | | C25DRF240 C25DRF340 | |
| | | 230 | 240 | 7-1/2 | 10 | 5.5 | 7.5 | 3 | | | | |
| | | 460 | 200 | — | 20 | — | 15 | 4 | | | | |
| | | 575 | 160 | — | 20 | — | 15 | — | | | | |
| 50 | 65 | 115 | 300 | 3 | — | 2.2 | — | 2 | C25DNJ250 C25DNJ350 | | C25DRJ250 C25DRJ350 | |
| | | 230 | 300 | 10 | 15 | 7.5 | 11 | 3 | | | | |
| | | 460 | 250 | — | 30 | — | 22 | — | | | | |
| | | 575 | 200 | — | 30 | — | 22 | — | | | | |
| 60 | 75 | 115 | 360 | 5 | — | 3.7 | — | 2 | C25FNF260 C25FNF360 | | NA | |
| | | 230 | 360 | 10 | 20 | 7.5 | 15 | 3 | | | | |
| | | 460 | 300 | — | 40 | — | 30 | — | | | | |
| | | 575 | 240 | — | 40 | — | 30 | — | | | | |
| 75 | 90 | 115 | 450 | 5 | — | 3.7 | — | 2 | C25FNF275 C25FNF375 | | NA | |
| | | 230 | 450 | 15 | 20 | 11 | 18.5 | 3 | | | | |
| | | 460 | 375 | — | 50 | — | 37 | — | | | | |
| | | 575 | 300 | — | 50 | — | 37 | — | | | | |
| 90 | 120 | 115 | 540 | 7-1/2 | — | 5.7 | — | 2 | C25GNF290 C25GNF390 | | NA | |
| | | 230 | 540 | 20 | 30 | 15.1 | 22 | 3 | | | | |
| | | 460 | 450 | — | 50 | — | 37 | — | | | | |
| | | 575 | 360 | — | 50 | — | 37 | — | | | | |
| 120 | 140 | 230 | 720 | — | — | — | — | 3 | C25HNE3120 | | NA | |
| | | 460 | 720 | — | — | — | — | — | | | | |
| | | 575 | 570 | — | — | — | — | — | | | | |
| 200 | 200 | 240 | 1200 | — | — | — | — | 3 | C25KNE3200 | | NA | |
| | | 480 | 1200 | — | — | — | — | — | | | | |
| | | 600 | 1000 | — | — | — | — | — | | | | |
| 300 | 300 | 240 | 1800 | — | — | — | — | 3 | C25KNE3300 | | NA | |
| | | 480 | 1800 | — | — | — | — | — | | | | |
| | | 600 | 1500 | — | — | — | — | — | | | | |
| 360 | 360 | 240 | 2320 | — | — | — | — | 3 | C25LNE3360 | | NA | |
| | | 480 | 2320 | — | — | — | — | — | | | | |
| | | 600 | 1900 | — | — | — | — | — | | | | |

- ① Incomplete Catalog Number. Replace underscore (_) in Catalog Number with Magnet Coil Suffix from table below.
- ② Carton quantities including 20 individually packaged units are available for 2- and 3-pole units through 60A inductive.
- ③ Contactors with DC coils (only available up to 75A) include an early break NC auxiliary contact, C320KGD1. See **Page 33** for more details.
- ④ Available only for 15A through 75A contactors and 4-pole contactors.
- ⑤ Available through 75A.
- ⑥ Available through 120A.
- ⑦ Available 120 – 360A.
- ⑧ Available 15 – 90A, others 240V.
- ⑨ Available through 50A.

Table 13. Magnet Coil Selection

| Voltage | | Coil Suffix | |
|-------------|-------------|--|--|
| 60 Hertz | 50 Hertz | | |
| AC ① | | | |
| 12 ⑤ | 12 | R T A E B J H L C D | |
| 24 ⑥ | 24 | | |
| 110 – 120 ⑧ | 110 – 120 ⑧ | | |
| 208 ⑦ | — | | |
| 208 – 240 ⑧ | 208 – 240 | | |
| 240 ⑨ | 220 | | |
| 277 | — | | |
| — | 380 – 415 | | |
| 440 – 480 | 440 – 480 | | |
| 550 – 600 | 550 – 600 | | |
| DC ③ | | | |
| 12 | 1R | | |
| 24 | 1T | | |
| 48 | 1W | | |
| 120 | 1A ④ | | |

- ⑩ 104 – 120V 50/60 Hz for 60A, 75A and all 4-Pole Contactors (25A – 40A).
- ⑪ Class H AC Coils available as option for 15A – 50A Contactor. Add 2 before AC Coil Suffix letter.

Technical Data..... **Pages 4, 34**
Options **Page 6**
Accessories..... **Page 6**
Dimensions..... **Page 30**
Discount Symbol **1CD-5C**

* Consult Sales Office for Pricing