

Definite Purpose Contactors and Starters



4

Product Overview

Eaton offers the most complete line of Definite Purpose (DP) contactors in the industry. Designed for heating, ventilation, air conditioning and refrigeration (HVACR) applications, Eaton's DP contactors are designed to handle the most challenging installations.

Application Description

These ampere and horsepower rated devices from Eaton's Electrical Sector are designed for service in applications such as refrigeration, air conditioning and resistance heating and are manufactured to traditional 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, and so on—contact your local Eaton distributor or sales office.

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15–40A, Three-Pole Fuse Block	V5-T4-17
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Starters

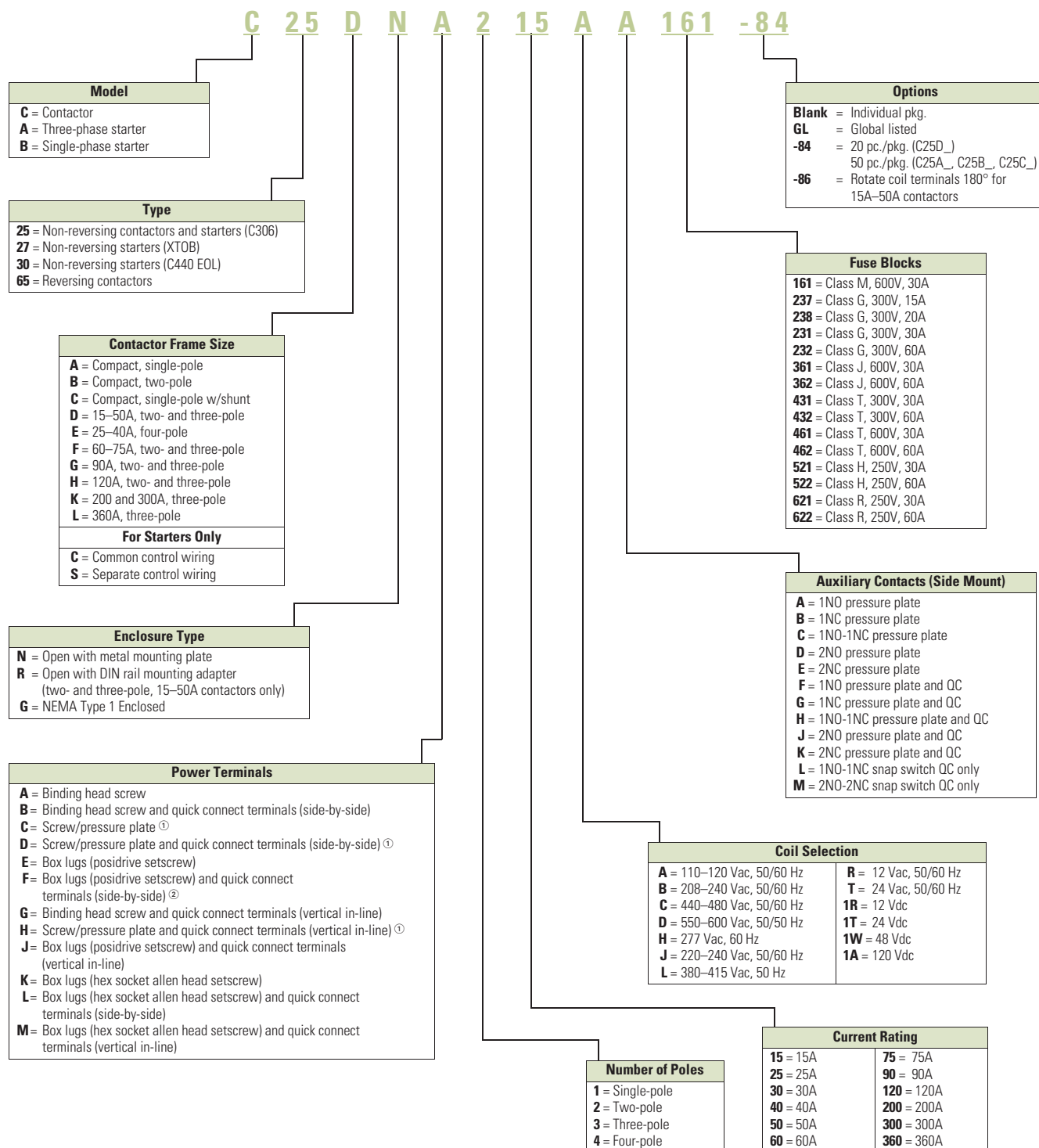
25–60A, Single- and Three-Phase—A25, B25	V5-T4-23
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Features

- Completely encased design impervious to dust and other environmental elements
- 15–360A contactor ratings
- Single-, two-, three- and four-pole configurations
- Contactors and starters (up to 60A)
- Open components and enclosed designs

Catalog Number Selection

Definite Purpose Control—Contactors and Starters



Notes

- ① Not available on 50A devices.
 ② Vertical in-line quick connect terminals on 60A and 75A F frame.

Product Selection

When Ordering Specify

- Catalog number plus magnet coil suffix, see **Page V5-T4-10**
- Catalog numbers of accessory kits required, see Accessories, **Page V5-T4-11**
- Modify catalog number for any options required, see Options, **Page V5-T4-13**

DP Contactor

C25 Contactors—Open Type



Ampere Rating		Line Voltage	Locked Rotor	Maximum Motor (hp)		Maximum Motor (kW)		Number of Poles	Standard DP Contactors With Baseplate		Global Listed Line With Baseplate	
Inductive Full Load	Resistive per Pole			Single-Phase	Three-Phase	Single-Phase	Three-Phase		Catalog Number ^①	Catalog Number ^①	Catalog Number ^①	Catalog Number ^①
15	20	115	90	3/4	—	0.40	—	2	C25DND215_	C25DRD215_	C25DND215_-GL	
		230	90	2	3	1.5	2.2	3	C25DND315_	C25DRD315_	C25DND315_-GL	
		460	75	—	5	—	3.7					
		575	60	—	5	—	3.7					
25	35	115	150	2	—	1.5	—	2	C25DND225_	C25DRD225_	C25DND225_-GL	
		230	150	3	7-1/2	2.2	5.5	3	C25DND325_	C25DRD325_	C25DND325_-GL	
		460	125	—	10	—	7.5	4	C25END425_	—	—	
		575	100	—	10	—	7.5					
30	40	115	180	2	—	1.5	—	2	C25DND230_	C25DRD230_	C25DND230_-GL	
		230	180	5	10	3.7	7.5	3	C25DND330_	C25DRD330_	C25DND330_-GL	
		460	150	—	15	—	11	4	C25END430_	—	—	
		575	120	—	15	—	11					
40	50	115	240	3	—	2.2	—	2	C25DNF240_	C25DRF240_	C25DNF240_-GL	
		230	240	7-1/2	10	5.5	7.5	3	C25DNF340_	C25DRF340_	C25DNF340_-GL	
		460	200	—	20	—	15	4	C25ENF440_	—	—	
		575	160	—	20	—	15					
50	65	115	300	3	—	2.2	—	2	C25DNJ250_	C25DRJ250_	C25DNJ250_-GL	
		230	300	10	15	7.5	11	3	C25DNJ350_	C25DRJ350_	C25DNJ350_-GL	
		460	250	—	30	—	22					
		575	200	—	30	—	22					
60	75	115	360	5	—	3.7	—	2	C25FNF260_	—	—	
		230	360	10	20	7.5	15	3	C25FNF360_	—	—	
		460	300	—	40	—	30					
		575	240	—	40	—	30					
75	90	115	450	5	—	3.7	—	2	C25FNF275_	—	—	
		230	450	15	20	11	18.5	3	C25FNF375_	—	—	
		460	375	—	50	—	37					
		575	300	—	50	—	37					
90	120	115	540	7-1/2	—	5.5	—	2	C25GNF290_	—	—	
		230	540	15	30	11	22	3	C25GNF390_	—	—	
		460	450	—	50	—	37					
		575	360	—	50	—	37					
120	140	230	720	—	—	—	—	3	C25HNE3120_	—	—	
		460	720									
		575	570									
200	200	240	1200	—	—	—	—	3	C25KNE3200_	—	—	
		480	1200									
		600	1000									
300	300	240	1800	—	—	—	—	3	C25KNE3300_	—	—	
		480	1800									
		600	1500									
360	360	240	2320	—	—	—	—	3	C25LNE3360_	—	—	
		480	2320									
		600	1900									

Note

^① Incomplete catalog number. Replace underscore (_) in catalog number with magnet coil suffix from table on **Page V5-T4-10**.

Magnet Coil Suffix

Voltage 60 Hertz	50 Hertz	Coil Suffix
AC ①		
12 ②	12	R
24 ③	24	T
110–120 ④	110–120 ④	A
208 ⑤	—	E
208–240 ⑥	208–240	B
240 ⑦	220	J
277	—	H
—	380–415	L
440–480	440–480	C
550–600 ⑧	550–600	D

Voltage 60 Hertz	Coil Suffix
DC ⑨	
12	1R
24	1T
48	1W
120	1A ⑩

Notes

- ① Class H AC coils available as option for 15A–50A contactor. Add 2 before AC coil suffix letter.
- ② Available through 75A.
- ③ Available through 120A.
- ④ 104–120V 50/60 Hz for 60A, 75A and all four-pole contactors (25A–40A).
- ⑤ Available 120–360A.
- ⑥ Available 15–90A, others 240V.
- ⑦ Available through 50A.
- ⑧ Not available for 90A.
- ⑨ Contactors with DC coils (only available up to 75A) include an early break NC auxiliary contact, C320KGD1. See **Page V5-T4-62** for more details.
- ⑩ Available only for 15A through 75A contactors and four-pole contactors.