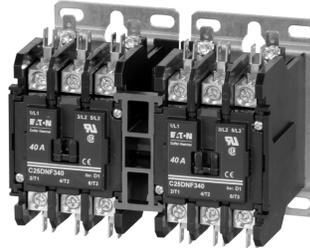
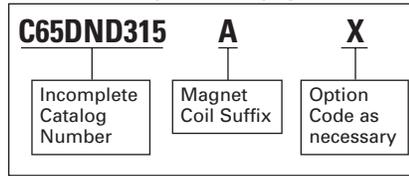


Product Description

Cutler-Hammer® C65 Reversing Contactors from Eaton's electrical business are furnished with pressure plates and quick connect terminals as standard on 15, 25 and 30A devices and with box lugs and quick connect terminals on 40, 50, 60 and 75A.

Other terminal configurations are available — see Factory Installed Options Table on Page 7. Reversing contactors will accept add-on Auxiliary Contacts on either side — order factory assembled or as kits for field installation. See Page 7.

Table 25. Catalog Numbering System



C65 Reversing Contactor

Standards and Certifications

- UL Recognized Components
UL File #E-1491, Guide NLDX2
- CSA Certified Components
File #LR353, Guide 380w-1.14 Class 3211 04



Product Selection

Table 26. Reversing and 2-Speed Contactors Product Selection — Open Type — Unwired, Mechanically Interlocked Only

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 ①	Price U.S. \$	Catalog Number ①	Price U.S. \$
15	20	115	90	3/4	—	0.40	—	2 3	C65DND215_ C65DND315_	199.00 223.00	C65DRD215_ C65DRD315_	185.00 205.00
		230	90	—	3	1.5	2.2					
		460	75	—	5	—	3.7					
		575	60	—	5	—	3.7					
25	35	115	150	2	—	1.5	—	2 3	C65DND225_ C65DND325_	220.00 242.00	C65DRD225_ C65DRD325_	203.00 225.00
		230	150	—	7-1/2	2.2	5.5					
		460	125	—	10	—	7.5					
		575	100	—	10	—	7.5					
30	40	115	180	2	—	1.5	—	2 3	C65DND230_ C65DND330_	241.00 262.00	C65DRD230_ C65DRD330_	224.00 243.00
		230	180	—	10	3.7	7.5					
		460	150	—	15	—	11					
		575	120	—	15	—	11					
40	50	115	240	3	—	2.2	—	2 3	C65DNF240_ C65DNF340_	349.00 375.00	C65DRF240_ C65DRF340_	323.00 348.00
		230	240	—	7-1/2	5.5	7.5					
		460	200	—	10	—	15					
		575	160	—	20	—	15					
50	65	115	300	3	—	2.2	—	2 3	C65DNJ250_ C65DNJ350_	459.00 482.00	C65DRJ250_ C65DRJ350_	461.00 482.00
		230	300	—	15	7.5	11					
		460	250	—	30	—	22					
		575	200	—	30	—	22					
60	75	115	360	5	—	3.7	—	2 3	C65FNF260_ C65FNF360_	570.00 625.00	NA	— —
		230	360	—	10	20	15					
		460	300	—	40	—	30					
		575	240	—	40	—	30					
75	90	115	450	5	—	3.7	—	2 3	C65FNF275_ C65FNF375_	760.00 795.00	NA	— —
		230	450	—	15	20	18.5					
		460	375	—	50	—	37					
		575	300	—	50	—	37					

- ① Incomplete Catalog Number. Replace underscore (_) with Magnet Coil Suffix from Table 27.
- ② Available through 50A.
- ③ 104 – 120V 50/60 Hz for 60A, 75A.
- ④ Class H AC Coils available as option for 15A – 50A Contactor. Add 2 before AC Coil Suffix letter.

Table 27. Magnet Coil Selection

Volts		Coil Suffix ④
60 Hz	50 Hz	
12	12	R
24	24	T
110 – 120 ③	110 – 120 ③	A
208 – 240	208 – 240	B
240 ②	220	J
277	—	H
—	380 – 415	L
440 – 480	440 – 480	C
550 – 600	550 – 600	D

Table 28. Magnet Coil Options

Description	Adder U.S. \$
Extra dual quick connect terminals ("U" shaped) for magnet coil terminals. To order, add Suffix Number 9 to the complete Catalog Number. EXAMPLE: C65DND315A9.	4.50

- Torque Ratings Page 5
- Options Page 7
- Dimensions Page 31
- Discount Symbol 1CD-5C

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

Model		Type		Enclosure Type		Power Terminals		No. of Poles		Current Rating		Bulk Packaging		Fuse Blocks		Auxiliary Contacts (Side Mount)		Coil Selection					
C	25	D	N	A	2	15	A	A	161	-84													
C = Contactor A = Three-Phase Starter B = Single-Phase Starter		25 = Non-reversing Contactors & Starters 27 = Non-reversing Starters 29 = Non-reversing Starters 65 = Reversing Contactors		N = Open with Metal Mounting Plate R = Open with DIN Rail Mounting Adapter (2- and 3-Pole, 15 – 50A Contactors Only) G = NEMA Type 1 Enclosed		A = Binding Head Screw B = Binding Head Screw and Quick Connect Terminals (side by side) C = Screw/Pressure Plate ^① D = Screw/Pressure Plate and Quick Connect Terminals (side by side) ^① E = Box Lugs (Posidrive Setscrew) F = Box Lugs (Posidrive Setscrew) and Quick Connect Terminals (side by side) G = Binding Head Screw and Quick Connect Terminals (vertical in-line) H = Screw/Pressure Plate and Quick Connect Terminals (vertical in-line) ^① J = Box Lugs (Posidrive Setscrew) and Quick Connect Terminals (vertical in-line) K = Box Lugs (Hex Socket Allen Head Setscrew) L = Box Lugs (Hex Socket Allen Head Setscrew) and Quick Connect Terminals (side by side) M = Box Lugs (Hex Socket Allen Head Setscrew) and Quick Connect Terminals (vertical in-line)		1 = 1-Pole 2 = 2-Pole 3 = 3-Pole 4 = 4-Pole		15 = 15A 25 = 25A 30 = 30A 40 = 40A 50 = 50A 60 = 60A		75 = 75A 90 = 90A 120 = 120A 200 = 200A 300 = 300A 360 = 360A		Blank = individual pkg. -84 = 20 pc./pkg. (C25D_) 50 pc./pkg. (C25A_, C25B_, C25C_) -86 = Rotate coil terminals 180° for 15A – 50A Contactors		161 = Class M, 600V, 30A 237 = Class G, 300V, 15A 238 = Class G, 300V, 20A 231 = Class G, 300V, 30A 232 = Class G, 300V, 60A 361 = Class J, 600V, 30A 362 = Class J, 600V, 60A 431 = Class T, 300V, 30A 432 = Class T, 300V, 60A 461 = Class T, 600V, 30A 462 = Class T, 600V, 60A 521 = Class H, 250V, 30A 522 = Class H, 250V, 60A 621 = Class R, 250V, 30A 622 = Class R, 250V, 60A		A = 1NO Pressure Plate B = 1NC Pressure Plate C = 1NO-1NC Pressure Plate D = 2NO Pressure Plate E = 2NC Pressure Plate F = 1NO Pressure Plate and QC G = 1NC Pressure Plate and QC H = 1NO-1NC Pressure Plate and QC J = 2NO Pressure Plate and QC K = 2NC Pressure Plate and QC L = 1NO-1NC Snap Switch QC Only M = 2NO-2NC Snap Switch QC Only		A = 110 – 120V AC, 50/60 Hz B = 208 – 240V AC, 50/60 Hz C = 440 – 480V AC, 50/60 Hz D = 550 – 600V AC, 50/50 Hz H = 277V AC, 60 Hz J = 220 – 240 V AC, 50/60 Hz L = 380 – 415V AC, 50 Hz		R = 12V AC, 50/60 Hz T = 24V AC, 50/60 Hz 1R = 12V DC 1T = 24V DC 1W = 48V DC 1A = 120V DC	

^① Not available on 50A devices.