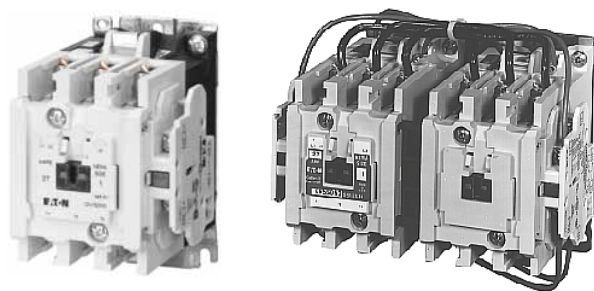


Non-Reversing and Reversing Contactors



Contactors—Non-Reversing and Reversing

Product Description

Non-Reversing

Contactors are most commonly used to switch motor loads in applications where running overcurrent protection is either not required or is provided separately. Contactors consist of a magnetically actuated switch which can be remotely operated by a pushbutton station or pilot device such as a proximity switch, limit switch, float switch, auxiliary contacts, and so on.

Reversing

Reversing contactors are used primarily for reversing single- or three-phase motors in applications where running overcurrent protection is either not required or is provided separately. They consist of two contactors mechanically and electrically interlocked to prevent line shorts and energization of both contactors simultaneously.

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Features, Benefits and Functions

- Designed specifically for use in applications requiring NEMA ratings. Contactors meet or exceed NEMA standards ICS 2-1993
- Long life twin break, silver cadmium oxide contacts—provide excellent conductivity and superior resistance to welding and arc erosion
- Designed to 3,000,000 electrical operations at maximum hp ratings up through 25 hp at 600V
- Steel mounting plate standard on all open type contactors

Non-Reversing

- Holding circuit contact(s) supplied as standard:
 - Sizes 00–3 have NO auxiliary contact block mounted on right hand side (on Size 00, contact occupies 4th power pole position—no increase in width)
 - Sizes 4–5 have a NO contact block mounted on left side
 - Sizes 6–7 have a 2NO/2NC contact block on top left
 - Size 8 has a NO/NC contact block on top left back and a NO contact block on top right back

Reversing

- One NO-NC side mounted interlock supplied as standard on each contactor for Sizes 00–8

Product Selection

Three-Pole Contactors

NEMA Size 00
CN55AN3ABNEMA Size 0
CN15BN3ABNEMA Size 3
CN15KN3A

Type CN15/CN55 NEMA Contactors—Non-Reversing and Reversing

NEMA Size	Continuous Ampere Rating	Maximum UL Horsepower ^①						Non-Reversing Catalog Number	Reversing Catalog Number
		Single-Phase		Three-Phase		480V	600V		
		115V	230V	208V	240V				
00	9	1/3	1	1-1/2	1-1/2	2	2	CN15AN3_B	CN55AN3_B
0	18	1	2	3	3	5	5	CN15BN3_B	CN55BN3_B
1	27	2	3	7-1/2	7-1/2	10	10	CN15DN3_B	CN55DN3_B
2	45	3	7-1/2	10	15	25	25	CN15GN3_B	CN55GN3_B
3	90			25	30	50	50	CN15KN3_	CN55KN3_
4	135			40	50	100	100	CN15NN3_	CN55NN3_
5	270			75	100	200	200	CN15SN3_	CN55SN3_
6	540			150	200	400	400	CN15TN3_B	CN55TN3_B
7	810			200	300	600	600	CN15UN3_	CN55UN3_
8 ^②	1215			400	450	900	900	CN15VN3_	CN55VN3_

Magnet Coils—AC and DC

Contactors listed in this section also have a 50 Hz rating as shown in the adjacent table. Select required contactor by catalog number and replace the magnet coil alpha

designation in the catalog number () with the proper code suffix from the table.

For Sizes 00–2, the magnet coil alpha designation will be the next to the last digit of the listed catalog number.

EXAMPLE: For a 380V, 50 Hz coil, change CN15AN3_B to CN15AN3LB. For all other sizes, the magnet coil alpha designation will be the last digit of the listed catalog number.

For **DC Magnet Coils**, see Accessories, **Pages V5-T2-28 and V5-T2-29**.

AC Suffix

Coil Volts and Hertz	Code Suffix
120/60 or 110/50	A
240/60 or 220/50	B
480/60 or 440/50	C
600/60 or 550/50	D
208/60	E
277/60	H
208–240/60 ^③	J
240/50	K

Notes

^① Maximum horsepower rating of starters for 380V 50 Hz applications:

NEMA Size	00	0	1	2	3	4	5	6	7	8
Horsepower	1-1/2	5	10	25	50	75	150	300	600	900

^② Common control. For separate 120V control, insert letter **D** in 7th position of listed catalog number. Example: CN15VND3C.

^③ NEMA Sizes 00 and 0 only.

^④ NEMA Sizes 00 and 0 only. Sizes 1–8 are 24/60 only.

Coil Volts and Hertz	Code Suffix
380–415/50	L
550/50	N
24/60, 24/50 ^④	T
24/50	U
32/50	V
48/60	W
48/50	Y