



Contactor
NEMA Size 3



Motor Starter
NEMA Size 0



NEMA Magnetic Contactors and Motor Starters

- 3 pole
- Include 1N0 aux. contact
- UL Listed.

CONTACTORS

For use with resistance heating and capacitor circuits; may be used to control AC motors where overload protection is provided separately.

MOTOR STARTERS

Protect against motor overload on 3-phase motor circuits. Manual weld check. Toolless disassembly. Class 20 overload protection with visible trip indicator and manual reset. Motor starters without electronic overload relays require 3 heaters, see below for selection.

NEMA Size	Amps AC	►CHOOSE: Coil Volts	HP @ 3-Phase 240V	HP @ 3-Phase 480V	W	H	D	Mfr. Model	Item No.
Nonreversing Contactors, No Enclosure									
0	18 A		3 hp	5 hp	3.94	4.5	3.1	CR305B00	H2444
1	27 A		7 1/2 hp	10 hp	3.94	4.5	3.1	CR305C00	H2445
2	45 A	120V AC; 240V AC; 480V AC	15 hp	25 hp	5.5	6.62	5.5	CR305D00	H2446
3	90 A		30 hp	50 hp	6.5	8.81	6.7	CR305E00	H2447
4	135 A		50 hp	100 hp	6.5	8.81	6.7	CR305F00	H2448
Nonreversing Motor Starters, No Enclosure									
00	9 A		1 1/2 hp	2 hp	3.71	7.8	3.94	CR306A00	H2440
0	18 A		3 hp	5 hp	3.71	7.8	3.94	CR306B00	H2441
1	27 A	120V AC; 240V AC; 480V AC	7 1/2 hp	10 hp	3.71	7.8	3.94	CR306C00	H2442
2	45 A		15 hp	25 hp	5.44	9.12	5.5	CR306D00	H2443
3	90 A		30 hp	50 hp	6.62	11.62	6.5	CR306E00	H2423
4	135 A		50 hp	100 hp	6.62	11.62	6.5	CR306F00	H2424
00	9 A	120V AC	1 1/2 hp	2 hp	6	10	4.63	CR306A10	H2429
Nonreversing Motor Starters, Enclosed									
00	9 A	240V AC; 480V AC	1 1/2 hp	2 hp	6	10	4.63	CR306A10	H2429
Nonreversing Motor Starters, No Enclosure									
0	18 A	120V AC; 240V AC; 480V AC	3 hp	5 hp	6	10	4.63	CR306B10	H2430
Nonreversing Motor Starters, Enclosed									
1	27 A	120V AC; 240V AC; 480V AC	7 1/2 hp	10 hp	6	10	4.63	CR306C10	H2431
2	45 A		15 hp	25 hp	7.38	13.25	6.13	CR306D10	H2432
3	90 A	120V AC; 240V AC	30 hp	50 hp	8.75	20.25	7.31	CR306E10	H2433
Nonreversing Motor Starters, No Enclosure									
30	90 A	120V AC	30 hp	50 hp	8.75	20.25	7.31	CR306E10	H2433
Nonreversing Motor Starters, Enclosed									
4	135 A	120V AC; 240V AC	50 hp	100 hp	8.75	25	7.31	CR306F10	H2434
Nonreversing Motor Starters, No Enclosure									
4	135 A	480V AC	50 hp	100 hp	8.75	25	7.31	CR306F10	H2434
5	270 A	120V AC; 240V AC; 480V AC	100 hp	200 hp	17	45.12	11.0	CR306G10	H2435
Nonreversing Motor Starters with Electronic Overload Relay, No Enclosure									
1	6.5 to 13.5	120V AC; 240V AC; 480V AC	1 1/2 hp	10 hp	3.71	7	3.94	CR306C00 00XAAAAG	H2425
2	25 to 50		15 hp	25 hp	5.44	9.12	5.5	CR306D00 00XAAAAG	H2426
3	35 to 70	120V AC; 240V AC; 480V AC	30 hp	50 hp	6.62	11.62	6.5	CR306E00 00XAAAAG	H2427
4	135		50 hp	100 hp	6.62	11.62	6.5	CR306F00 00XAAAAG	H2428
Nonreversing Motor Starters with Electronic Overload Relay, Enclosed									
1	6.5 to 13.5	120V AC; 240V AC; 480V AC	1 1/2 hp	10 hp	3.71	7	3.94	CR306C10 00XAAAAG	H2436
Reversing Motor Starters, Enclosed									
0	18 A	120V AC; 240V AC; 480V AC	3 hp	5 hp	4.94	14	4.59	CR309B10	H2438
1	27 A		7 1/2 hp	10 hp	4.94	14	4.59	CR309C10	H2439
2 Speed Motor Starters, Enclosed									
1	27 A	120V AC; 240V AC; 480V AC	7 1/2 hp	10 hp	8.88	7	3.94	CR309C10 AKA	H2437



Heater



Replacement Coil



Auxiliary Contact Adder Block



Motor Starter Heaters and Accessories

- 3-pole starters require 3 heaters (thermal units)
- Amps shown are for motors with 1.15 to 1.25 service factor

Full-Load Amps @ 3-Phase		NEMA Size 3		NEMA Size 4		Mfr.	Item
Regular Encl.	Large Encl.	Regular Encl.	Large Encl.	Regular Encl.	Large Encl.	Model	No.
Heaters							
31.3	31.8	32	32.2	CR123F357B	3HYX9		
33.3	33.9	34.2	34	CR123F395B	3HY11		
34.3	37.6	36.7	36.8	CR123F430B	3HY12		
40.9	41.9	43.9	44.6	CR123F487B	3HY13		
44.7	47.7	46.6	48.4	CR123F567B	3HY14		
51	52.1	52.6	53.9	CR123F614B	3HY15		
52	55.8	55.6	57.4	CR123F658B	3HY16		
55.4	59.7	58.7	60	CR123F719B	3HY17		
63.3	68.1	67.1	69.5	CR123F772B	3HY18		
66.1	71.5	70.6	71.7	CR123F848B	3HY19		
73.5	78.2	76.3	79.9	CR123F914B	3HY21		
82.2	87.5	88.7	92.3	CR123F104C	3HYW6		
90	90	93.4	97	CR123F114C	3HYW7		
—	—	102	108	CR123F118C	3HYW8		
—	—	110	118	CR123F133C	3HYW9		
—	—	122	131	CR123F149C	3HYX1		
—	—	131	135	CR123F161C	3HYX2		
—	—	135	—	CR123F174C	3HYX3		
18.4	19.3	—	—	CR123F233B	3HYX4		
21.1	22.1	—	—	CR123F243B	3HYX5		
22.1	23.4	—	—	CR123F270B	3HYX6		
26.1	27	—	—	CR123F300B	3HYX7		
28	29.1	—	—	CR123F327B	3HYX8		
Starter Size		120VAC Item No.	277VAC Item No.	240VAC Item No.	480VAC Item No.		
Replacement Coils							
0, 00, 1	3AGH5	—	—	—	—	—	—
2	3AGH8	6AMR0	3AGH9	3HYN1	—	—	—
00, 1	—	6AMP8	3AGH6	3AGH7	—	—	—
3	3HYN2	6AMX3	3HYN3	3HYN4	—	—	—
4	3HYN5	6AMX5	3HYN6	3HYN7	—	—	—
5	6AMX6	—	—	6AMX8	—	—	—
No. of NC Aux. Contacts	No. of NO Contacts	Starter Size	Mfr. Model	Item No.			
NEMA Adder Auxiliary Contact Blocks							
0	1	00 to 4	CR305X100D	3HWN3			
1	0	00 to 4	CR305X100E	3HWN4			
NEMA Auxiliary Contact Blocks							
1	1	0, 00, 1	CR305X100C	3HWN2			
1	1	2	CR305X200C	3HWN5			
1	1	3, 4	CR305X300C	3HWN6			
Legend		Starter Size	Mfr. Model	Item No.			
Push Button Kits							
Start/Stop/Momentary Contact		00 to 1	CR305X120N	3HYP1			
Start/Stop/Momentary Contact		2	CR305X220N	6AND1			
Start/Stop/Momentary Contact		3, 4	CR305X320B	6AND5			
Start/Stop/Momentary Contact		5	CR305X520B	6AND9			
Selector Switch Kits							
Hand/Off/Auto		00 to 1	CR305X130N	3HPY2			
Hand/Off/Auto		2	CR305X230N	6AND3			
Hand/Off/Auto		3, 4	CR305X330B	6AND6			

NEMA Size	Current Range	Mfr. Model	Item No.		
Overload Relays					
0, 00, 1	—	CR324C360F	6ANH5		
0, 00, 1	—	CR324C660F	6ANH6		
NEMA Overload Relays					
0, 1	6.5 to 13.6A	CR324CXGS	6ANH7		
0, 1	13.0 to 27.0A	CR324CXHS	6ANH8		
Mount Adapters					
—	—	CR324CXPM A	6ANH9		
Full-Load Amps @ 3-Phase					
NEMA Size	NEMA Size 2	Mfr.	Item		
00, 0, or 1	Regular Encl. Large Encl.	Regular Encl. Large Encl.	Model No.		
Heaters					
5.77	5.91	5.48 to 5.85	5.85	CR123C630A	3HYW1
6.35	6.47	5.86 to 6.47	6.47	CR123C695A	3HYW2
6.92	7.20	6.48 to 7.35	7.35	CR123C778A	3HYW3
7.99	8.22	7.36 to 8.06	8.06	CR123C867A	3HYW4
8.47	8.72	8.07 to 9.03	9.03	CR123C955A	3HYW5
9.19	9.67	9.04 to 9.61	9.61	CR123C104B	3HYR1
10.00	10.40	9.62 to 10.5	10.50	CR123C113B	3HYR3
10.70	11.00	10.6 to 11.6	11.60	CR123C125B	3HYR5
12.00	12.40	11.7 to 12.5	12.50	CR123C137B	3HYR7
12.9	13.2	12.6 to 13.6	13.6	CR123C151B	3HYR9
15.10	15.40	13.7 to 16.7	16.70	CR123C163B	3HYT2
16.30	17.10	16.8 to 17.9	17.90	CR123C180B	3HYT3
17.90	18.10	18.0 to 18.7	18.70	CR123C198B	3HYT6
19.70	20.00	18.8 to 20.4	20.40	CR123C214B	3HYT7
21.20	21.50	20.5 to 22.7	22.70	CR123C228B	3HYT9
22.30	22.50	22.8 to 24.7	24.70	CR123C250B	3HYU2
23.50	23.80	24.8 to 26.3	26.30	CR123C273B	3HYU4
25.50	26.30	26.4 to 29.5	29.50	CR123C300B	3HYU6
27.00	27.00	29.6 to 32.5	32.50	CR123C330B	3HYU8
—	—	32.6 to 36.7	36.70	CR123C366B	3HYV1
—	—	36.8 to 41.9	41.90	CR123C400B	3HYV3
—	—	42.0 to 43.2	43.20	CR123C440B	3HYV5
—	—	43.3 to 45.0	45.00	CR123C460B	3HYV6
—	—	—	—	CR123C054A	3HPY3
0.43	0.45	—	—	CR123C060A	3HPY4
0.48	0.49	—	—	CR123C066A	3HPY5
0.53	0.53	—	—	CR123C071A	3HPY6
0.58	0.59	—	—	CR123C077A	3HPY7
0.64	0.65	—	—	CR123C087A	3HPY8
0.74	0.76	—	—	CR123C097A	3HPY9
0.84	0.84	—	—	CR123C109A	3HYR2
0.92	0.93	—	—	CR123C118A	3HYR4
1.02	1.04	—	—	CR123C131A	3HYR6
1.10	1.15	—	—	CR123C148A	3HYR8
1.23	1.27	—	—	CR123C163A	3HYT1
1.38	1.39	—	—	CR123C184A	3HYT4
1.49	1.55	—	—	CR123C196A	3HYT5
1.67	1.73	—	—	CR123C220A	3HYT8
1.79	1.89	—	—	CR123C239A	3HYU1
1.98	2.05	—	—	CR123C268A	3HYU3
2.24	2.28	—	—	CR123C301A	3HYU5
2.43	2.47	—	—	CR123C326A	3HYU7
2.75	2.79	—	—	CR123C356A	3HYU9
3.20	3.31	—	—	CR123C379A	3HYV2
3.43	3.70	—	—	CR123C419A	3HYV4
4.03	4.06	—	—	CR123C466A	3HYV7
4.43	4.47	—	—	CR123C526A	3HYV8
4.94	4.95	—	—	CR123C592A	3HYV9