SIEMENS

NEMA Heavy Duty Motor Starters

Heavy Duty starters are designed for across the line starting of single phase and polyphase motors. These controls are available in NEMA Sizes 00 through 8. In addition to the usual NEMA Starter Sizes, Siemens offers three exclusive Half Sizes; 1¾, 2½ and 3½. These integral sizes offer the same rugged, industrial construction as our NEMA Sizes and ensure efficient operating performance. Half Sizes provide a real cost savings by cutting down on over capacity when NEMA Sizes exceed the motor ratings. All Siemens Heavy Duty controls, including our popular Half Sizes comply with applicable NEMA and UL tests.

Standard Features:

Size 00–4 magnetic starters include the following standard features:

- Rugged Industrial Design
- Half Sizes for Cost and Space Savings
- Dual Voltage, Dual Frequency Coils
- Solid State Overload Protection
- Wide Range of Accessories
- Easy Coil Access
- Overload Test Feature
- Straight Thru Wiring
- Gravity Dropout
- Large Silver Cadmium Contacts
- UL listed file #E14900 (class 14, 22, 30, 40 & 43)
- CSA certified file #LR 6535 (class 14, 22, 30, 40 & 43)

Solid State Overload with Auto/Manual Reset, Class 14

Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Field Modification Kits see page 9/100.
- Factory Modifications see page 9/114.
- Dimensions see pages 9/129 open and 9/141 enclosed.
- Wiring Diagrams see page 9/156.
- Replacement Parts see page 9/120.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240①	A
200–208	D
220–240	G
277	L
220–240/440–480①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 9/114.

Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp						Overload		Enclosure									
								Open Type Standard Auxiliary Contacts⑦		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight, Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	NEMA Size	Half Size	Amp Range	Frame Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
⅛	⅛	⅓	½	00	—	0.25–1	A	14BUA32A*		14BUA32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
½	¾	1½	2	00	—	0.75–3.4	A	14BUB32A*		14BUB32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
1½	1½	2	—	00	—	3–12	A1	14BUC32A*		14BUC32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
⅛	⅛	⅓	½	0	—	0.25–1	A	14CUA32A*		14CUA32B*		14CUA32@*		14CUA32F*		14CUA320*	
½	¾	1½	2	0	—	0.75–3.4	A	14CUB32A*		14CUB32B*		14CUB32@*		14CUB32F*		14CUB320*	
2	2	5	5	0	—	3–12	A1	14CUC32A*		14CUC32B*		14CUC32@*		14CUC32F*		14CUC320*	
3	3	—	—	0	—	5.5–22	A1	14CUD32A*		14CUD32B*		14CUD32@*		14CUD32F*		14CUD320*	
⅛	⅛	⅓	½	1	—	0.25–1	A	14DUA32A*		14DUA32B*		14DUA32@*		14DUA32F*		14DUA320*	
½	¾	1½	2	1	—	0.75–3.4	A	14DUB32A*		14DUB32B*		14DUB32@*		14DUB32F*		14DUB320*	
2	2	5	5	1	—	3–12	A1	14DUC32A*		14DUC32B*		14DUC32@*		14DUC32F*		14DUC320*	
3	3	10	10	1	—	5.5–22	A1	14DUD32A*		14DUD32B*		14DUD32@*		14DUD32F*		14DUD320*	
7½	7½	—	—	1	—	10–40	A1	14DUE32A*		14DUE32B*		14DUE32@*		14DUE32F*		14DUE320*	
10	10	15	15	—	1¾	10–40	A1	14EUE32A*		14EUE32B*		14EUE32@*		14EUE32F*		14EUE320*	
10	15	25	25	2	—	13–52	B	14FUF32A*		14FUF32B*		14FUF32@*		14FUF32F*		14FUF320*	
15	20	30	30	—	2½	25–100	B	14GUG32A*		14GUG32B*		14GUG32@*		14GUG32F*		14GUG320*	
25	30	50	50	3	—	25–100	B	14HUG32A*		14HUG32B*		14HUG32@*		14HUG32F*		14HUG320*	
30	40	75	75	—	3½	50–200	B	14IUH32A*		14IUH32B*		14IUH32@*		14IUH32F*		14IUH320*	
40	50	100	100	4	—	50–200	B	14JUH32A*		14JUH32B*		14JUH32@*		14JUH32F*		14JUH320*	
75	100	200	200	5	—	55–250	—	14LPU32A*		14LPU32B*		—	—	—	—	14LPU320*	
150	200	400	400	6	—	160–630	—	14MPX32A*		14MPX32B*		—	—	—	—	14MPX320*	
—	300	600	600	7*③	—	400–1220	A1+CT	14NUN32A*		14NUN32B*		—	—	—	—	14NUN320*	
—	450	900	900	8④	—	400–1220	A1+CT	14PUN32A*		14PUN32B*		—	—	—	—	14PUN320*	

Open Type & Standard Width Enclosure, Single Phase, 2-Pole②⑤

Max Hp			Overload		Enclosure									
					Open Type Standard Auxiliary Contacts		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight, Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
115 Volts	208/230 Volts	NEMA Size	Amp Range	Frame Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
⅛	¼	0	0.75–3.4	A	14CUB12A*		14CUB12B*		14CUB12@*		14CUB12F*		14CUB120*	
¼	½	0	3–12	A1	14CUC12A*		14CUC12B*		14CUC12@*		14CUC12F*		14CUC120*	
1	2	0	5.5–22	A1	14CUD12A*		14CUD12B*		14CUD12@*		14CUD12F*		14CUD120*	
⅛	¼	1	0.75–3.4	A	14DUB12A*		14DUB12B*		14DUB12@*		14DUB12F*		14DUB120*	
¼	½	1	3–12	A1	14DUC12A*		14DUC12B*		14DUC12@*		14DUC12F*		14DUC120*	
1	2	1	5.5–22	A1	14DUD12A*		14DUD12B*		14DUD12@*		14DUD12F*		14DUD120*	
3	7½	2	25-100	B	14FUG12A*		14FUG12B*		14FUG12@*		14FUG12F*		14FUG120*	
7½	15	3	25-100	B	14HUG12A*		14HUG12B*		14HUG12@*		14HUG12F*		14HUG120*	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).

① Dual voltage coils not available in size 5–8 starters.

② Coils D, F, or G will be wired for incoming voltage. J coil will be wired for separate source. Coils E, H, and L do not apply to single phase starters.

③ F coil 100-250V AC 50/60Hz, or DC, H coil 150-500V AC 50/60Hz, or DC

④ Only available F coil100-250V AC 50/60Hz, or DC

⑤ To receive a single phase starter in an extra wide enclosure order an enclosure kit from pg 9/109 and the open style starter from pg 9/13 as separate items.

Solid State Overload, Class 22

Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Field Modification Kits see page 9/100.
- Factory Modifications see page 9/114.
- Dimensions see page 9/130 open and 9/145 enclosed.
- Wiring Diagrams see page 9/158.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240①	A
200–208	D
220–240	G
277	L
220–240/440–480①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 9/114.

Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp						Overload		Enclosure									
								Open Type Standard Auxiliary Contacts④		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	NEMA Size	Half Size	Amp Range	Frame Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
⅛	⅛	⅛	½	00	—	0.25–1	A	22BUA32A*		22BUA32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
½	¾	1½	2	00	—	0.75–3.4	A	22BUB32A*		22BUB32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
1½	1½	2	—	00	—	3–12	A1	22BUC32A*		22BUC32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
⅛	⅛	⅛	½	0	—	0.25–1	A	22CUA32A*		22CUA32B*		22CUA32W*		22CUA32F*		22CUA320*	
½	¾	1½	2	0	—	0.75–3.4	A	22CUB32A*		22CUB32B*		22CUB32W*		22CUB32F*		22CUB320*	
2	2	5	5	0	—	3–12	A1	22CUC32A*		22CUC32B*		22CUC32W*		22CUC32F*		22CUC320*	
3	3	—	—	0	—	5.5–22	A1	22CUD32A*		22CUD32B*		22CUD32W*		22CUD32F*		22CUD320*	
⅛	⅛	⅛	½	1	—	0.25–1	A	22DUA32A*		22DUA32B*		22DUA32W*		22DUA32F*		22DUA320*	
½	¾	1½	2	1	—	0.75–3.4	A	22DUB32A*		22DUB32B*		22DUB32W*		22DUB32F*		22DUB320*	
2	2	5	5	1	—	3–12	A1	22DUC32A*		22DUC32B*		22DUC32W*		22DUC32F*		22DUC320*	
3	3	10	10	1	—	5.5–22	A1	22DUD32A*		22DUD32B*		22DUD32W*		22DUD32F*		22DUD320*	
7½	7½	—	—	1	—	10–40	A1	22DUE32A*		22DUE32B*		22DUE32W*		22DUE32F*		22DUE320*	
10	10	15	15	—	1¾	10–40	A1	22EUE32A*		22EUE32B*		22EUE32W*		22EUE32F*		22EUE320*	
10	15	25	25	2	—	13–52	B	22FUF32A*		22FUF32B*		22FUF32W*		22FUF32F*		22FUF320*	
15	20	30	30	—	2½	25–100	B	22GUG32A*		22GUG32B*		22GUG32W*		22GUG32F*		22GUG320*	
25	30	50	50	3	—	25–100	B	22HUG32A*		22HUG32B*		22HUG32W*		22HUG32F*		22HUG320*	
30	40	75	75	—	3½	50–200	B	22IUH32A*		22IUH32B*		22IUH32W*		22IUH32F*		22IUH320*	
40	50	100	100	4	—	50–200	B	22JUH32A*		22JUH32B*		22JUH32W*		22JUH32F*		22JUH320*	
75	100	200	200	5	—	55–250	—	22LPU32A*		22LPU32B*		—	—	—	—	22LPU320*	
150	200	400	400	6	—	160–630	—	22MPX32A*		22MPX32B*		—	—	—	—	22MPX320*	
—	300	600	600	7⑦	—	400–1220	A1+CT	22NUN32A*		22NUN32B*		—	—	—	—	22NUN320*	
—	450	900	900	8⑦	—	400–1220	A1+CT	22PUN32A*		22PUN32B*		—	—	—	—	22PUN320*	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).

① Dual voltage coils not available in size 5–8 starters.

⑦ Only available
F coil 100-250V AC 50/60Hz, or DC
H coil 150-500V AC 50/60Hz, or DC

③ Only available
F coil 100-250V AC 50/60Hz, or DC

④ Auxiliary contacts
22B-22E 4th pole built-in
22F-22J 2 NO & 2 NC

3-Phase, Class 40

Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Field Modification Kits see page 9/100.
- Factory Modifications see page 9/114.
- Dimensions see pages 9/131 open and 9/141 enclosed.
- Wiring Diagrams see page 9/166.
- Replacement Parts see page 9/120.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240①	A
200–208	D
220–240	G
277	L
220–240/440–480①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 17-116.

Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp							Enclosure									
							Open Type④		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
1½	1½	2	2	9	00	—	40BP32A*		40BP32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	40CP32A*		40CP32B*		40CP32W*		40CP32F*		40CP320*	
7½	7½	10	10	27	1	—	40DP32A*		40DP32B*		40DP32W*		40DP32F*		40DP320*	
10	10	15	15	40	—	1¾	40EP32A*		40EP32B*		40EP32W*		40EP32F*		40EP320*	
10	15	25	25	45	2	—	40FP32A*		40FP32B*		40FP32W*		40FP32F*		40FP320*	
15	20	30	30	60	—	2½	40GP32A*		40GP32B*		40GP32W*		40GP32F*		40GP320*	
25	30	50	50	90	3	—	40HP32A*		40HP32B*		40HP32W*		40HP32F*		40HP320*	
30	40	75	75	115	—	3½	40IP32A*		40IP32B*		40IP32W*		40IP32F*		40IP320*	
40	50	100	100	135	4	—	40JG32A*		40JG32B*		40JG32W*		40JG32F*		40JG320*	
75	100	200	200	270	5	—	40LP32A*		40LP32B*		—	—	—	—	40LP320*	
150	200	400	400	540	6	—	40MP32A*		40MP32B*		—	—	—	—	40MP320*	
—	300	600	600	810	7②⑤	—	40NH32A*		40NH32B*		—	—	—	—	40NH320*	
—	450	900	900	1215	8③⑤	—	40PH32A*		40PH32B*		—	—	—	—	40PH320*	

Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp							Enclosure					
							NEMA 1④ General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
1½	1½	2	2	9	00	—	40BP82B*		Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	40CP82B*		40CP82W*		40CP820*	
7½	7½	10	10	27	1	—	40DP82B*		40DP82W*		40DP820*	
10	10	15	15	40	—	1¾	40EP82B*		40EP82W*		40EP820*	
10	15	25	25	45	2	—	40FP82B*		40FP82W*		40FP820*	
15	20	30	30	60	—	2½	40GP82B*		40GP82W*		40GP820*	
25	30	50	50	90	3	—	40HP82B*		40HP82W*		40HP820*	
30	40	75	75	115	—	3½	40IP82B*		40IP82W*		40IP820*	
40	50	100	100	135	4	—	40JG82B*		40JG82W*		40JG820*	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① Dual voltage coils not available in size 5-8 starters.

② Only available
F coil 100-250V AC 50/60Hz, or DC
H coil 150-500V AC 50/60Hz, or DC

③ Only available
F coil100-250V AC 50/60Hz, or DC

④

Standard Auxiliary Contacts			
Type	Size (3rd Character)	Configuration	Internal / External
All FVNR Starters & Contactors	B Thru E	1N.O.	Internal
	F Thru J	1N.O.	External
	L Thru M	2N.O., 2N.C.	External
	N Thru P	1N.O., 1N.C.	External

⑤ Lugs are not included, refer to page 17-106.

Single Phase, 4-Pole & Vacuum, Class 40

Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Field Modification Kits see page 9/100.
- Factory Modifications see page 9/114.
- Dimensions see pages 9/131 open and 9/141 enclosed.
- Wiring Diagrams see page 9/166.
- Replacement Parts see page 9/120.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240①	A
200–208	D
220–240	G
277	L
220–240/440–480①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 17-116.

Open Type & Standard Width Enclosure, Single Phase, 2-Pole②③

Max Hp					Enclosure									
					Open Type④		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
115 Volts	208/230 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
½	1	9	00	—	40BP12A*		40BP12B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
1	2	18	0	—	40CP12A*		40CP12B*		40CP12W*		40CP12F*		40CP120*	
2	3	27	1	—	40DP12A*		40DP12B*		40DP12W*		40DP12F*		40DP120*	
3	5	35	1P	—	40EP12A*		40EP12B*		40EP12W*		40EP12F*		40EP120*	
3	7½	45	2	—	40FP12A*		40FP12B*		40FP12W*		40FP12F*		40FP120*	
5	10	60	—	2½	40GP12A*		40GP12B*		40GP12W*		40GP12F*		40GP120*	
7½	15	90	3	—	40HP12A*		40HP12B*		40HP12W*		40HP12F*		40HP120*	

Open Type & Standard Width Enclosure, 4-Pole

Max Hp							Enclosure									
							Open Type		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
⅓	1½	2	2	9	00	—	40BP22A*		40BP22B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
2	3	5	5	18	0	—	40CP22A*		40CP22B*		40CP22W*		40CP22F*		40CP220*	
3	7½	10	10	27	1	—	40DP22A*		40DP22B*		40DP22W*		40DP22F*		40DP220*	
5	10	15	15	40	—	1¾	40EP22A*		40EP22B*		40EP22W*		40EP22F*		40EP220*	

Vacuum Contactors, 3-Phase, 3-Pole①

Max Hp				Contactor Amp Rating	NEMA Size	Open Type	
200V	230V	460V	575V			Catalog Number	List Price $
40	50	100	100	135	4	40JV32A*	
75	100	200	200	270	5	40LV32A*	
150	200	400	400	540	6	40MV32A*	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① Dual voltage coils not available for vacuum contactors. Refer to Page 17-116 for a complete list of available coil voltages.

② To order single phase contactor in an extra wide enclosure, order the enclosure kit from Page 17-111 and the open style contactor as separate items.

③ Coils D, F, or G will be wired for incoming voltage. J coil will be wired for separate source. Coils E, H, and L do not apply to single phase starters.

④ 1 NO Auxiliary.

Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Field Modification Kits see page 9/100.
- Factory Modifications see page 9/114.
- Dimensions see pages 9/132 open and 9/145 enclosed.
- Wiring Diagrams see page 9/166.
- Replacement Parts see page 9/120.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240①	A
200–208	D
220–240	G
277	L
220–240/440–480①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 17-116.

Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp				Cont-actor Amp Rating	NEMA Size	Half Size	Enclosure									
							Open Type⑤		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts				Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
½	½	2	2	9	00	—	43BP32A*		43BP32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	43CP32A*		43CP32B*		43CP32W*		43CP32F*		43CP320*	
7½	7½	10	10	27	1	—	43DP32A*		43DP32B*		43DP32W*		43DP32F*		43DP320*	
10	10	15	15	40	—	1¾	43EP32A*		43EP32B*		43EP32W*		43EP32F*		43EP320*	
10	15	25	25	45	2	—	43FP32A*		43FP32B*		43FP32W*		43FP32F*		43FP320*	
15	20	30	30	60	—	2½	43GP32A*		43GP32B*		43GP32W*		43GP32F*		43GP320*	
25	30	50	50	90	3	—	43HP32A*		43HP32B*		43HP32W*		43HP32F*		43HP320*	
30	40	75	75	115	—	3½	43IP32A*		43IP32B*		43IP32W*		43IP32F*		43IP320*	
40	50	100	100	135	4	—	43JG32A*		43JG32B*		43JG32W*		43JG32F*		43JG320*	
75	100	200	200	270	5	—	43LP32A*		43LP32B*		—	—	—	—	43LP320*	
100	200	400	400	540	6	—	43MP32A*		43MP32B*		—	—	—	—	43MP320*	
—	300	600	600	810	7③	—	43NH32A*		43NH32B*		—	—	—	—	43NH320*	
—	450	900	900	1215	8④	—	43PH32A*		—	—		—	—	—	—	—

Open Type & Standard Width Enclosure, Single Phase, 3-Wire, 2-Pole⑦

Max Hp		Cont-actor Amp Rating	NEMA Size	Enclosure									
				Open Type		NEMA 1 General Purpose		NEMA 4/4X Stainless Watertight, Dust-tight Corrosion Resistant		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 3/3R/4/12 Watertight, Dust-tight, Weatherproof	
115 Volts	208/230 Volts			Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $	Catalog Number	List Price $
½	1	9	00	43BP12A*		43BP12B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
1	2	18	0	43CP12A*		43CP12B*		43CP12W*		43CP12F*		43CP120*	
2	3	27	1	43DP12A*		43DP12B*		43DP12W*		43DP12F*		43DP120*	
3	5	35	1P	43EP12A*		43EP12B*		43EP12W*		43EP12F*		43EP120*	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① Dual voltage coils not available in size 5–8 starters.

② Coils D, F, or G will be wired for incoming voltage. J coil will be wired for separate source. Coils E, H, and L do not apply to single phase starters.

③ Only available
F coil 100-250V AC 50/60Hz, or DC
H coil 150-500V AC 50/60Hz, or DC

④ Only available
F coil 100-250V AC 50/60Hz, or DC

⑤ Auxiliary contacts
43B-43E 4th pole built-in
43F-43J 2 NO & 2 NC

3-Phase, 48ATC3S00

Ordering Information

- For CT's see Accessories page 9/63.
- Dimensions see page 9/133.
- To retrofit or direct mount to a contactor, order 49ASMP1, 2, or 3 separately. See Retrofit Plates below.
- For remote mounting of frame size A order 49ASMS1 terminals separately, see page 9/104.

Solid State—Class 48

Current Adjustment Range	Phase	Frame Size	Catalog Number	MRPD/MLFB	List Price $
0.25–1	3	"A"	**48ATA3S00**	**3UB81134AB2**	
0.75–3.4	3	"A"	**48ATB3S00**	**3UB81134BB2**	
3–12	3	"A1"	**48ATC3S00**	**3UB81234CW2**	
5.5–22	3	"A1"	**48ATD3S00**	**3UB81234DW2**	
10–40	3	"A1"	**48ATE3S00**	**3UB81234EW2**	
13–52	3	"B"	**48BTF3S00**	**3UB81334FW2**	
25–100	3	"B"	**48BTG3S00**	**3UB81334GW2**	
50–200	3	"B"	**48BTH3S00**	**3UB81334HW2**	
100–300	3	"A1" ②	**48ATJ3S00**	**3UB81234JW2**	
133–400	3	"A1" ⑧	**48ATK3S00**	**3UB81234KW2**	
200–600	3	"A1" ④	**48ATL3S00**	**3UB81234LW2**	
250–750	3	"A1" ⑦	**48ATM3S00**	**3UB81234MW2**	
400–1220	3	"A1" ⑤	**48ATN3S00**	**3UB81234NW2**	
0.25–1	1	"A"	**48ATA1S00**	**3UB88134AB2**	
0.75–3.4	1	"A"	**48ATB1S00**	**3UB88134BB2**	
3–12	1	"A1"	**48ATC1S00**	**3UB88234CW2**	
5.5–22	1	"A1"	**48ATD1S00**	**3UB88234DW2**	
25-100	1	"B"	**48BTG1S00**	**3UB88334GW2**	

Solid State—3RB206③⑥, 3-Phase, Manual/Auto Reset

For Contactor Size	Setting Range Amps	Class 10 Catalog Number	List Price $	Class 20 Catalog Number	List Price $
5	55 - 250	**3RB2066-1GC2**		**3RB2066-2GC2**	
6	160 - 630	**3RB2066-1MC2**		**3RB2066-2MC2**	

Retrofit Plates for Contactors, Class 48

Replacement for Starter Sizes	ESP200 Overload Frame Size①	Retrofit Plate Suffix	Plate Kit Separate	Price Adder $
Size 00–1¾ Size 2, 2½	A or A1 B	1P 2P	**49ASMP1** **49ASMP2**	
Size 3, 3½ Size 4	B B	3P 4P	**49ASMP3** **49ASMP3**	

① To determine frame size of replacement solid state overload, refer to retrofit plates table above.
② Requires use of 300:5 Current Transformers–3 of **97CT005**.
③ Product Category: IEC.
④ Requires use of 600:5 Current Transformers–3 of **97CT008**.
⑤ Requires use of 1200:5 Current Transformers–3 of **97CT012**.
⑥ Overload has busbar connections.
⑦ Requires use of 750:5 Current Transformers–3 of **97CT009**.
⑧ Requires use of 400:5 Current Transformers–3 of **97CT006**.