Solid State Overload with Auto/Manual Reset, Class 14

Selection

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 8/82.
- Factory Modifications see page 8/95.
- Dimensions see pages 8/103 open and 8/116 enclosed.
- Wiring Diagrams see page 8/131.

Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	F
110–120/220–240 ①	A
200–208	D
220–240	G
277	L
220–240/440–480 ①	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 8/95.

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

Max Hp						Overload		Enclosure ⑨											
								Open Type Standard Auxiliary Contacts ⑦		NEMA 1 General Purpose		NEMA 4/4X Stainless ② Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel Optional) ⑧		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div. 1 and Div. 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R ② Industrial Use Weatherproof (Field Convertible to 3/3R)	
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 $	Catalog Number	List Price $
1/6	1/6	1/4	1/4	00	—	0.25–1	A	14BUA32A*		14BUA32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1/2	1/4	1/2	2	00	—	0.75–3.4	A	14BUB32A*		14BUB32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1 1/2	1 1/2	2	—	00	—	3–12	A1	14BUC32A*		14BUC32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1/6	1/6	1/3	1/4	0	—	0.25–1	A	14CUA32A*		14CUA32B*		14CUA32W*		14CUA32F*		14CUA32H*		14CUA320*	
1/2	1/4	1/2	2	0	—	0.75–3.4	A	14CUB32A*		14CUB32B*		14CUB32W*		14CUB32F*		14CUB32H*		14CUB320*	
2	2	5	5	0	—	3–12	A1	14CUC32A*		14CUC32B*		14CUC32W*		14CUC32F*		14CUC32H*		14CUC320*	
3	3	—	—	0	—	5.5–22	A1	14CUD32A*		14CUD32B*		14CUD32W*		14CUD32F*		14CUD32H*		14CUD320*	
1/6	1/6	1/3	1/4	1	—	0.25–1	A	14DUA32A*		14DUA32B*		14DUA32W*		14DUA32F*		14DUA32H*		14DUA320*	
1/2	1/4	1/2	2	1	—	0.75–3.4	A	14DUB32A*		14DUB32B*		14DUB32W*		14DUB32F*		14DUB32H*		14DUB320*	
2	2	5	5	1	—	3–12	A1	14DUC32A*		14DUC32B*		14DUC32W*		14DUC32F*		14DUC32H*		14DUC320*	
3	3	10	10	1	—	5.5–22	A1	14DUD32A*		14DUD32B*		14DUD32W*		14DUD32F*		14DUD32H*		14DUD320*	
7 1/2	7 1/2	—	—	1	—	10–40	A1	14DUE32A*		14DUE32B*		14DUE32W*		14DUE32F*		14DUE32H*		14DUE320*	
10	10	15	15	—	1 3/4	10–40	A1	14EUE32A*		14EUE32B*		14EUE32W*		14EUE32F*		14EUE32H*		14EUE320*	
10	15	25	25	2	—	13–52	B	14FUF32A*		14FUF32B*		14FUF32W*		14FUF32F*		14FUF32H*		14FUF320*	
15	20	30	30	—	2 1/2	25–100	B	14GUG32A*		14GUG32B*		14GUG32W*		14GUG32F*		14GUG32H*		14GUG320*	
25	30	50	50	3	—	25–100	B	14HUG32A*		14HUG32B*		14HUG32W*		14HUG32F*		14HUG32H*		14HUG320*	
30	40	75	75	—	3 1/2	50–200	B	14IUH32A*		14IUH32B*		14IUH32W*		14IUH32F*		14IUH32H*		14IUH320*	
40	50	100	100	4	—	50–200	B	14JUH32A*		14JUH32B*		14JUH32W*		14JUH32F*		14JUH32H*		14JUH320*	
75	100	200	200	5	—	55–250	—	14LPU32A*		14LPU32B*		14LPU32E*④		—	—	14LPU32H*		14LPU320*	
150	200	400	400	6	—	160–630	—	14MPX32A*		14MPX32B*		14MPX32E*④		—	—	—	—	14MPX320*	
—	300	600	600	7⑤	—	400–1220	A1+CT	14NUN32A*		14NUN32B*		14NUN32E*④		—	—	—	—	14NUN320*	
—	450	900	900	8⑥	—	400–1220	A1+CT	14PUN32A*		14PUN32B*		14PUN32E*④		—	—	—	—	14PUN320*	

Open Type & Standard Width Enclosure, Single Phase, 2-Pole③

Max Hp			Overload		Enclosure⑨											
					Open Type Standard Auxiliary Contacts		NEMA 1 General Purpose		NEMA 4/4X Stainless ② Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel (Optional)		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div. 1 and Div. 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R ② Industrial Use Weatherproof (Field Convertible to 3/3R)	
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 $	Catalog Number	List Price $
1/6	1/4	0	0.75–3.4	A	14CUB12A*		14CUB12B*		14CUB12W*		14CUB12F*		14CUB12H*		14CUB120*	
1/4	1/2	0	3–12	A1	14CUC12A*		14CUC12B*		14CUC12W*		14CUC12F*		14CUC12H*		14CUC120*	
1	2	0	5.5–22	A1	14CUD12A*		14CUD12B*		14CUD12W*		14CUD12F*		14CUD12H*		14CUD120*	
1/6	1/4	1	0.75–3.4	A	14DUB12A*		14DUB12B*		14DUB12W*		14DUB12F*		14DUB12H*		14DUB120*	
1/4	1/2	1	3–12	A1	14DUC12A*		14DUC12B*		14DUC12W*		14DUC12F*		14DUC12H*		14DUC120*	
1	2	1	5.5–22	A1	14DUD12A*		14DUD12B*		14DUD12W*		14DUD12F*		14DUD12H*		14DUD120*	

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 For conduit hubs and conversion instructions, see page 8/88.
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 Enclosure is NEMA Type 4 (painted steel).
⑤ F coil 100-250V AC 50/60Hz, or DC, H coil 150-500V AC 50/60Hz, or DC
⑥ Only available F coil100-250V AC 50/60Hz, or DC
⑦ Standard Auxiliary Contacts, Same as Contactors, refer to page 8/13.
⑧ For 316 Stainless Steel option see page 8/98.
⑨ Enclosed starters with the ESP200 OLR will not be available until approximately December 2009. Continue to order enclosed starters with the ESP100 OLR until then.

Product Category: NEMA

NEMA 1

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 8/82.
- Factory Modifications see page 8/95.
- Dimensions see page 8/116.
- Wiring Diagrams see page 8/131.
- Replacement Parts see page 8/157.

Coil Table

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

For other voltages and frequencies, see Factory Modifications page 8/95.

Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp						Overload		Enclosure③							
								NEMA 1 General Purpose		NEMA 4/4X Stainless① Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel (Optional)②		NEMA 7 & 9 NEMA 3 & 4 Div. 1 and Div. 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R① Industrial Use Weatherproof (Field Convertible to 3/3R)	
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 $
1/6	1/6	1/2	1/2	00	—	0.25–1	A	**14BUA82B***		**Use Size 0**	—	**Use Size 0**	—	**Use Size 0**	—
1/2	3/4	1 1/2	2	00	—	0.75–3.4	A	**14BUB82B***		**Use Size 0**	—	**Use Size 0**	—	**Use Size 0**	—
1 1/2	1 1/2	2	—	00	—	3–12	A1	**14BUC82B***		**Use Size 0**	—	**Use Size 0**	—	**Use Size 0**	—
1/6	1/6	1/2	1/2	0	—	0.25–1	A	**14CUA82B***		**14CUA82W***		**14CUA82H***		**14CUA820***	
1/2	3/4	1 1/2	2	0	—	0.75–3.4	A	**14CUB82B***		**14CUB82W***		**14CUB82H***		**14CUB820***	
2	2	5	5	0	—	3–12	A1	**14CUC82B***		**14CUC82W***		**14CUC82H***		**14CUC820***	
3	3	—	—	0	—	5.5–22	A1	**14CUD82B***		**14CUD82W***		**14CUD82H***		**14CUD820***	
1/6	1/6	1/2	1/2	1	—	0.25–1	A	**14DUA82B***		**14DUA82W***		**14DUA82H***		**14DUA820***	
1/2	3/4	1 1/2	2	1	—	0.75–3.4	A	**14DUB82B***		**14DUB82W***		**14DUB82H***		**14DUB820***	
2	2	5	5	1	—	3–12	A1	**14DUC82B***		**14DUC82W***		**14DUC82H***		**14DUC820***	
3	3	10	10	1	—	5.5–22	A1	**14DUD82B***		**14DUD82W***		**14DUD82H***		**14DUD820***	
7 1/2	7 1/2	—	—	1	—	10–40	A1	**14DUE82B***		**14DUE82W***		**14DUE82H***		**14DUE820***	
10	10	15	15	—	1 1/4	10–40	A1	**14EUE82B***		**14EUE82W***		**14EUE82H***		**14EUE820***	
10	15	25	25	2	—	13–52	B	**14FUF82B***		**14FUF82W***		**14FUF82H***		**14FUF820***	
15	20	30	30	—	2 1/2	25–100	B	**14GUG82B***		**14GUG82W***		**14GUG82H***		**14GUG820***	
25	30	50	50	3	—	25–100	B	**14HUG82B***		**14HUG82W***		**14HUG82H***		**14HUG820***	
30	40	75	75	—	3 1/2	50–200	B	**14IUH82B***		**14IUH82W***		**14IUH82H***		**14IUH820***	

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

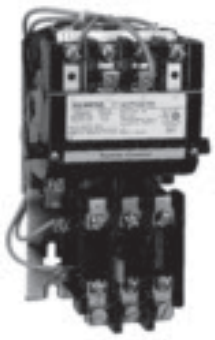
① For conduit hubs and conversion instructions, see page 8/88.

② For 316 Stainless Steel option see page 8/98.

③ Enclosed starters with the ESP200 OLR will not be available until approximately December 2009. Continue to order enclosed starters with the ESP100 OLR until then.

Ambient Compensated Bimetal Overload with Manual and Auto Reset, Class 14

Selection



Ordering Information

- Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- Heater elements see page 8/150. Single phase starters require 1 heater element. 3-phase starters require 3 heater elements.
- Field Modification Kits page 8/82.
- Factory Modifications page 8/95.
- Dimensions see page 8/104 open and 8/116 enclosed.
- Wiring Diagrams see page 8/131.
- Replacement Parts see page 8/157.

Coil Table

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

For other voltages and frequencies, see Factory Modifications page 8/95.

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

Max Hp							Enclosure											
							Open Type Standard Auxiliary Contacts ④		NEMA 1 General Purpose		NEMA 4/4X Stainless ② Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel ⑤		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R ② Industrial Use Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $
1 ½	1½	2	2	9	00	—	14BP32A*81		14BP32B*81		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	14CP32A*81		14CP32B*81		14CP32W*81		14CP32F*81		14CP32H*81		14CP320*81	
7 ½	7½	10	10	27	1	—	14DP32A*81		14DP32B*81		14DP32W*81		14DP32F*81		14DP32H*81		14DP320*81	
10	10	15	15	40	—	1¾	14EP32A*81		14EP32B*81		14EP32W*81		14EP32F*81		14EP32H*81		14EP320*81	
10	15	25	25	45	2	—	14FP32A*81		14FP32B*81		14FP32W*81		14FP32F*81		14FP32H*81		14FP320*81	
15	20	30	30	60	—	2½	14GP32A*81		14GP32B*81		14GP32W*81		14GP32F*81		14GP32H*81		14GP320*81	
25	30	50	50	90	3	—	14HP32A*81		14HP32B*81		14HP32W*81		14HP32F*81		14HP32H*81		14HP320*81	
30	40	75	75	115	—	3½	14IP32A*81		14IP32B*81		14IP32W*81		14IP32F*81		14IP32H*81		14IP320*81	
40	50	100	100	135	4	—	14JG32A*81		14JG32B*81		14JG32W*81		14JG32F*81		14JG32H*81		14JG320*81	

Open Type & Standard Width Enclosure, Single Phase, 2-Pole③

Max Hp					Enclosure											
					Open Type		NEMA 1 General Purpose		NEMA 4/4X Stainless ② Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel ⑤		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R ② Industrial Use Weatherproof	
115 Volts	208/230 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $	Catalog No	Price $
⅓	1	9	00	—	14BP12A*81		14BP12B*81		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1	2	18	0	—	14CP12A*81		14CP12B*81		14CP12W*81		14CP12F*81		14CP12H*81		14CP120*81	
2	3	27	1	—	14DP12A*81		14DP12B*81		14DP12W*81		14DP12F*81		14DP12H*81		14DP120*81	
3	5	35	1P	—	14EP12A*81		14EP12B*81		14EP12W*81		14EP12F*81		14EP12H*81		14EP120*81	
3	7½	45	2	—	14FP12A*81		14FP12B*81		14FP12W*81		14FP12F*81		14FP12H*81		14FP120*81	
5	10	60	—	2½	14GP12A*81		14GP12B*81		14GP12W*81		14GP12F*81		14GP12H*81		14GP120*81	

Extra Wide Enclosure, 3-Phase, 3-Pole①

Max Hp							Enclosure							
							NEMA 1 General Purpose		NEMA 4/4X Stainless ② Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel ⑤		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 NEMA 3/3R ② Industrial Use Wea therproof	
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Catalog No	List Price $	Catalog No	List Price $	Catalog No	List Price $	Catalog No	List Price $
1 ½	1½	2	2	9	00	—	14BP82B*81		Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	14CP82B*81		14CP82W*81		14CP82H*81		14CP820*81	
7 ½	7½	10	10	27	1	—	14DP82B*81		14DP82W*81		14DP82H*81		14DP820*81	
10	10	15	15	40	—	1¾	14EP82B*81		14EP82W*81		14EP82H*81		14EP820*81	
10	15	25	25	45	2	—	14FP82B*81		14FP82W*81		14FP82H*81		14FP820*81	
15	20	30	30	60	—	2½	14GP82B*81		14GP82W*81		14GP82H*81		14GP820*81	
25	30	50	50	90	3	—	14HP82B*81		14HP82W*81		14HP82H*81		14HP820*81	
30	40	75	75	115	—	3½	14IP82B*81		14IP82W*81		14IP82H*81		14IP820*81	
40	50	100	100	135	4	—	14JG82B*81		14JG82W*81		14JG82H*81		14JG820*81	

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. **For higher Hp single phase motors, use 3-phase starters, wire and set per diagram on page 8/131.**

① To receive a single phase starter in an extra wide enclosure, order the enclosure kit from pg 8/91 and the open style starter from pg 8/14 or 8/16 as separate items.

② For conduit hubs and conversion instructions, see page 8/88.

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 Standard Auxiliary Contacts, Same as Contactors, refer to page 8/44.

⑤ For 316 Stainless Steel option see page 8/98.