

Certification Record

Customer	Class	File Number
Schneider Electric USA, Inc. Square D Raleigh (Knightdale) Plant, 8001 Knightdale Blvd Knightdale NC USA 27545	<u>3218-04</u> INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Manual - For Hazardous Locations	026817_0_000

Class I, Groups B, C and D; Class II, Groups E, F and G:

- Class 2510, motor starter with thermal overload protection, Type FR, 277V ac and less, 1 hp, 115 or 277V ac single phase, one or two poles; 3/4 hp, 115 or 230V dc two poles.
- Class 2510, motor starter without thermal overload protection, Type KR, 2 pole, 1 ph, 2 hp, 115V, 2 hp, 230V, 3 hp, 480/600V; 2 or 3 pole polyphase, 2 hp, 115V, 7-1/2 hp, 230V, 10 hp, 480/600V; 30A, 250V ac, 20A, 600V ac resistive. Across-the-line starters (ac).
- Class 8536, open or enclosed, Sizes 00 to 7 and enclosed sizes 00, 0, 1, 1P.
- Class 8736, reversing starters, open or enclosed, Sizes 00 to 7.
- Class 8810, 2-speed starters, open or enclosed, Sizes 0 to 7. Contactors (ac)
- Class 8502, open or enclosed, Sizes 00 to 7 and enclosed sizes 00, 0, 1, 1P.
- Class 8502, open or enclosed, Type REQ-2616-G1, 3-phase, Ratings: 10 hp, 230V, 15 hp, 460V, Type REQ-2617-G1, 3-phase ratings: 20 hp, 230V, 30 hp, 460V; Type REQ-2686-G1, 3 phase, Size 3, Ratings: 40 hp, 230V, 75 hp, 460V.
- Class 8502 contactors, Types PG, PJ and PK (with suffixes), Series A and B, open or enclosed types, 3-pole, may be provided with auxiliary contacts, coils 24-600V ac, 50/60Hz, for max contact ratings see Table 1. Table 1

Horsepower,

Current (A)

3-phase

Type	600V	200-230V	460V	575V
PG1	80	20	40	50
PG3	100	25	50	60
PJ1	125	30	60	75
PJ3	160	40	75	100
PJ5	160	50	100	125
PK1	200	60	125	150
PK3	250	75	150	200
PK5	315	100	200	250

- Class 8702, reversing contactors, open or enclosed, Sizes 00 to 7. AC across-the-line contactors and starters for crane and hoist application, max ratings as follows:

Designation			No of		Hp	
Contactors	Type	Size	Poles	Amps	230V	460V
U-11454-03	Non-Rev.	0	3	20	3	5

U- 11454- 13	"	1	"	30	7-1/2	10
U- 11454- 23	"	2	"	67	20	40
U- 12399- 12	"	1	2	30	3	-
U- 12399- 22	"	2	"	67	7-1/2	-
U- 11451- 03	Reversing	0	3	20	3	5
U- 11451- 13	"	1	"	30	7-1/2	10
U- 11451- 23	"	2	"	67	20	40

Starters

U- 11452- 03	Reversing	0	3	20	3	5
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U- " 1 " 30 7-1/2 10
 11452-
 13

2-pole devices are single phase, 3-pole devices are three phase.

- Class 8965, reversing contactors, Type R, open type, rated 1 hp, 100-115V, 1-1/2 hp, 220-230V, single-phase, 2 hp, 110-115V, 3 hp, 220-480V, 2- or 3-phase.
- Class 8965, 8 (two unwired, 3 pole mech. interlocked contactors), Type R, Series A or D, open type, rated 3 hp, 600V max, 3 ph. AC contactor and starter ratings include the following (maximums):

Starter or Contactor	Amps (Open)	Horsepower					
		Single-Phase		Three-Phase			
Size		115V	230V	200V	230V	380V	575V
00	9	1/3	1	1-1/2	1-1/2	1-1/2	2
0	18	1	2	3	3	5	5
1	27	2	3	7-1/2	7-1/2	10	10
1P	30	3	5	-	-	-	-
2	45	3	7-1/2	10	15	25	25
3	90	7-1/2	15	25	30	50	50

4	135	-	-	40	50	75	100
5	270	-	-	75	100	150	200
6	540	-	-	150	200	300	400
7	750	-	-	250	300	450	600

Medium voltage contactors (ac).

- Class 8944, Type MVO-7, 1000/1200/1500V, 100 FLA, 800/700/560 LRA; Type MVO-8, 1000/1200/1500V, 150 FLA, 1200/1120/900 LRA; Min. P.F. 30 percent (1200V max), 45 percent (1500V max).
- Contactors Class 8910, open, single phase, Type DP12..S5, 115V ac, 1 hp, 230V ac, 2 hp; Type DP22..S5, 115V ac, 2 hp, 230V ac, 3 hp; Type DP32..S5, 115V ac, 2 hp, 230V ac, 5 hp.

Note: Open type units are CSA Certified for use only as components of other equipment where the acceptability of the combination has been determined by CSA International.

- Contactors, open, Series DP, rated as follows:

Type	Phase	Poles	Horsepower			
			115V	230V	460V	575V
DP11	1	1	1	2	-	-
DP21	1	1	2	3	-	-
DP31	1	1	2	3	-	-

DP12	1	2	1	2	-	-
DP22	1	2	2	3	-	-
DP32	1	2	2	5	-	-
DPA12	1	2	1	2	-	-
DPA22	1	2	2	3	-	-
DPA32	1	2	2	5	-	-
DPA42	1	2	3	7.5	-	-
DPA52	1	2	3	10	-	-
DPA62	1	2	5	10	-	-
DPA13	1	3	1	2	-	-
	3		-	3	5	5
DPA23	1	3	2	3	-	-
	3	3	-	7.5	10	10

DPA33	1	3	2	5	-	-
	3	3	-	10	15	15
DPA43	1	3	3	7.5	-	-
	3	3	-	10	20	20
DPA53	1	3	3	10	-	-
	3	3	-	15	30	30
DPA63	1	3	5	10	-	-
	3	3	-	25	30	30
DPA122	1	2	10	25	-	-
DPA123	1	3	10	25	-	-
	3	3	-	40	75	75

Notes:

1. Contactors and Starters, Sizes 0 to 6, Classes 8502, 8536, 8702, 8736, 8810, 8903, 2510, 2511 and 2512 may be provided with Class 9999 kits as follows: Type SX Series auxiliary contacts, rated A600.
2. These contactors are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by CSA International.
3. Class 8536, 8736, 8810, 8502, 8702 devices may be provided in special purpose enclosures, CSA Types 1, 3R, 4, 4X or 12.

Class I, Groups C and D; Class II, Groups E, F and G;

- Class 2510, motor starters with thermal overload protection, Types MBR-1, -2, -21 and -22, 600V ac and less, 2 hp and less single-phase, 5 hp and less polyphase; Types MCR1, -3, -21 and -23, 600V ac max, 3 hp and less single-phase less, single phase.

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