

# Circuit breaker type ①

## A9 - A750, NEMA rated

### Reversing, three phase

3

UL motor switching current		Maximum ratings – UL Listed			UL Type 1 (Indoor metal)		UL Type 3R (Outdoor metal)	
		Maximum motor horsepower ratings ④			Catalog number	List price	Catalog number	List price
		200V	230V	460/575V				
		NEMA rated						
NEMA size	Continuous current							
00	9	1.5	1.5	2	A9NSRM1-84★◆◆	\$ 1185	A9NSRM3-84★◆◆	\$ 1365
0	18	3	3	5	A16NSRM1-84★◆◆	1335	A16NSRM3-84★◆◆	1515
1	27	7.5	7.5	10	A26NSRM1-84★◆◆	1478	A26NSRM3-84★◆◆	1658
2	45	15	15	25	A50NSRM1-84★◆◆	2468	A50NSRM3-84★◆◆	2648
3	90	25	30	50	A75NSRM1-84★◆◆	3705	A75NSRM3-84★◆◆	4035
4	135	40	50	100	A145NSRM1-84★◆◆	6285	A145NSRM3-84★◆◆	7470
5	270	75	100	200	A260NSRM1-84★◆◆	12,645	A260NSRM3-84★◆◆	14,640
6	540	150	200	400	A460NSRM1-70★◆◆	31,635	A460NSRM3-70★◆◆	33,435
7	810	—	300	600	A750NSRM1-70★◆◆	42,885	A750NSRM3-70★◆◆	46,065

★ Overload relay suffix code. Select from the overload relay selection chart on page 3.6. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the ★ and then subtract list price of overload relay from combination starter's list price.

◆◆ MCP or breaker rating. See codes on page 3.48.

Example: A9NSRM1-84X \$ 1185 List  
 - 63 - OLR  
 \$ 1122 Net price

### Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 starter: A75NSRM1-80★◆◆

To select starter with control transformer, substitute the code from the Control transformer voltage selector chart for the two digits after the last dash in the catalog number.

Ex.: A 480V primary voltage with a 120V secondary voltage is required for an A75 starter: A75SRF1-8F

### Coil voltage selection – A9 - A300 ③

Hz	Cntr type	Volts															
		12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	A	81	83	84	84		34	36	80	42		86	86	51	53	55	
50	A	81	83	84				80				85	86			55	

For other voltages, see page 1.26.

### Coil voltage selection – A400 - A750 ③

Hz	Cntr type	Volts			
		24 - 60	48 - 130	100 - 250	250 - 500
60	AF	68	69	70	71 ⑤
50	AF	68	69	70	71 ⑤
DC	AF	68	69	70	71 ⑤

### Control transformer voltage selection chart

Hz	Type	Volts			
		208/120	230 - 240/120	460 - 480/120	575 - 600/120
50/60	A/AF	0	7	8	9

For other voltages, consult factory.

### Maximum short circuit rating for UL listed combination starters

Contactor	Maximum MCP 480VAC	KA at 480VAC	MCP 600VAC	KA at 600VAC
A9	S3L050MW	35	S3L010MW	35
A12	S3L050MW	35	S3L010MW	35
A16	S3L050MW	35	—	—
A26	S3L100MW	35	S3L100MW	35
A30	S3L150MW	65	—	—
A40	S3L150MW	65	—	—
A50	S3L150MW	85	S3L150MW	35
A63	S4L250MW	85	—	—
A75	S4L250MW	85	—	—
A95	S4L250MW	85	S4L250MW	35
A110	S4L250MW	85	S4L250MW	35
A145	S5L400MW	65	S4L250MW	10
A185	S5L400MW	85	S4L250MW	10
A210	S6L800MW	85	S4L250MW	18
A260	S6L800MW	85	S5L400MW	18
A300	S6L800MW	85	S5L400MW	18
A400	S7H1200MW	85		
A460	S7H1200MW	85		
A580	S7H1200MW	85		
A750	S7H1200MW	85		

For thermal magnetic molded case breakers, consult factory.

### Factory modifications

See page 3.3

### Control transformer option

Contactor size	VA rating	List price adder
A9 - A40	45 ①	\$ 300
A9 - A40	50	360
A50 - A75	75	435
A95 - A110	100	560
A145 - A185	150	720
A210 - A300	250	795
A400 - A460	150	720 ②
A580 - A750	250	795 ②

① MCPs are supplied as standard. Thermal magnetic/electronic trip type breakers can be supplied by substituting the letter "B" in place of the "M". List price is the same.

Example: A9SRB1-84★◆◆, \$ 740.00.

② No primary fusing provided.

③ For AF50 - AF300 starters, consult factory.

④ A400 - A750 utilizes the AF wide range coil with a lower coil consumption than A210 - A300.

⑤ AF400 - AF750 only.

## Circuit breaker type ①

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### Reversing, three phase

3

Combination starters

3

UL Listed 12 (Metal dustight)		UL Listed 4 (Watertight)		UL Listed 4X (Stainless steel)		UL Listed 1, 3R, 4, 4X & 12 (Plastic)	
Catalog number	List price	Catalog number	List price	Catalog number	List price	Catalog number	List price
<b>NEMA rated</b>							
A9NSRM2-84★◆◆	\$ 1365	A9NSRM4-84★◆◆	\$ 1515	A9NSRMX-84★◆◆	\$ 2090	A9NSRMP-84★◆◆	\$ 1320
A16NSRM2-84★◆◆	1515	A16NSRM4-84★◆◆	1688	A16NSRMX-84★◆◆	2240	A16NSRMP-84★◆◆	1470
A26NSRM2-84★◆◆	1658	A26NSRM4-84★◆◆	1800	A26NSRMX-84★◆◆	2405	A26NSRMP-84★◆◆	1703
A50NSRM2-84★◆◆	2648	A50NSRM4-84★◆◆	2963	A50NSRMX-84★◆◆	3988	A50NSRMP-84★◆◆	2618
A75NSRM2-84★◆◆	4035	A75NSRM4-84★◆◆	4200	A75NSRMX-84★◆◆	5210	A75NSRMP-84★◆◆	3855
A145NSRM2-84★◆◆	7470	A145NSRM4-84★◆◆	7950	A145NSRMX-84★◆◆	9885	A145NSRMP-84★◆◆	7620
A260NSRM2-84★◆◆	14,640	A260NSRM4-84★◆◆	15,450	A260NSRMX-84★◆◆	21,735	A260NSRMP-84★◆◆	15,000
A460NSRM2-70★◆◆	33,435	A460NSRM4-70★◆◆	35,850	A460NSRMX-70★◆◆	41,280	—	—
A750NSRM2-70★◆◆	46,065	A750NSRM4-70★◆◆	48,338	A750NSRMX-70★◆◆	56,385	—	—

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◆◆ MCP or breaker rating. See codes on page 3.48.

### Motor circuit protector data

Motor full load amperes	MCP continuous rating	Suffix code ◆	Catalog number	Starter size	1.5X	2X	4X	5X	6X	7X	8X	9X	10X	11X	12X
					—	—	—	—	—	—	—	—	—	—	—
.92 - 2.76	3	A	S3L003MW	0	—	—	12	15	18	21	24	27	30	33	36
1.53 - 4.61	5	B	S3L005MW	0	—	—	20	25	30	35	40	45	50	55	60
3.07 - 9.23	10	C	S3L010MW	0	—	—	40	50	60	70	80	90	100	110	120
7.69 - 23.08	25	D	S3L025MW	1	—	—	100	125	150	175	200	225	250	275	300
15.38 - 46.15	50	E	S3L050MW	2	—	—	200	250	300	350	400	450	500	550	600
30.77 - 92.31	100	F	S3L100MW	3	—	—	400	500	600	700	800	900	1000	1100	1200
46.15 - 138.46	150	G	S3L150MW	4	—	—	600	750	900	1050	1200	1350	1500	1650	1800
28.85 - 230.77	250	H	S4L250MW	4	375	500	1000	—	1500	—	2000	—	2500	—	3000
46.15 - 369.23	400	J	S5L400MW	5	600	800	1600	—	2400	—	3200	—	4000	—	4800
69.23 - 553.85	600	K	S6L600MW	6	900	1200	2400	—	3600	—	4800	—	6000	—	7200
92.31 - 738.46	800	L	S6L800MW	7	1200	1600	3200	—	4800	—	6400	—	8000	—	9600
115.38 - 923.07	1000	M	S7H1000MW	7	1500	2000	4000	—	6000	—	8000	—	10,000	—	12,000
138.46 - 1107.69	1200	N	S7H1200MW	7	1800	2400	4800	—	7200	—	9600	—	12,000	—	14,400