

# Circuit breaker type ①

## Non-reversing, three phase

3

UL motor switching current	Maximum ratings – UL Listed				UL Listed 1 (Indoor metal)		UL Listed 3R (Outdoor metal)	
	Maximum motor horsepower ratings ②				Catalog number	List price	Catalog number	List price
	200/208V	230/240V	460/480V	575/600V				
	<b>UL rated</b>							
9	2	2	5	7.5	A9SM1-84★◆◆	\$ 930	A9SM3-84★◆◆	\$ 1110
11	3	3	7.5	10	A12SM1-84★◆◆	960	A12SM3-84★◆◆	1140
17	5	5	10	15	A16SM1-84★◆◆	990	A16SM3-84★◆◆	1170
28	7.5	10	20	25	A26SM1-84★◆◆	1073	A26SM3-84★◆◆	1253
34	10	10	25	30	A30SM1-84★◆◆	1155	A30SM3-84★◆◆	1335
42	10	15	30	40	A40SM1-84★◆◆	1260	A40SM3-84★◆◆	1440
54	15	20	40	50	A50SM1-84★◆◆	1755	A50SM3-84★◆◆	1935
65	20	25	50	50	A63SM1-84★◆◆	2070	A63SM3-84★◆◆	2160
80	25	30	60	75	A75SM1-84★◆◆	2550	A75SM3-84★◆◆	2880
95	30	30	60	75	A95SM1-84★◆◆	2750	A95SM3-84★◆◆	3125
110	30	40	75	100	A110SM1-84★◆◆	2970	A110SM3-84★◆◆	3870
130	40	50	100	125	A145SM1-84★◆◆	4020	A145SM3-84★◆◆	5235
156	50	60	125	150	A185SM1-84★◆◆	4950	A185SM3-84★◆◆	5610
192	60	75	150	200	A210SM1-84★◆◆	7080	A210SM3-84★◆◆	9045
248	75	100	200	250	A260SM1-84★◆◆	8160	A260SM3-84★◆◆	10,155
302	100	100	250	300	A300SM1-84★◆◆	8850	A300SM3-84★◆◆	10,650
414	125	150	350	400	A400SM1-70★◆◆	12,450	A400SM3-70★◆◆	12,990
480	150	200	400	500	A460SM1-70★◆◆	19,350	A460SM3-70★◆◆	21,150
590	200	250	500	600	A580SM1-70★◆◆	22,650	A580SM3-70★◆◆	24,450
720	250	300	600	700	A750SM1-70★◆◆	24,150	A750SM3-70★◆◆	27,330

★ 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 3.50.

Example: A9SM1-84X★◆◆ \$ 930 List  
 - 63 - OLR  
 \$ 867 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 combination starter: A75SM1-80★◆◆

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: A75SM1-8F

### 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
50	AF	68	69	70	71
DC	AF	68	69	70	71

### 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.

### Factory modifications

See page 3.3

### 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	Consult factory	
A460	S7H1200MW	85		
A580	S7H1200MW	85		
A750	S7H1200MW	85		

For thermal magnetic molded case breakers, consult factory.

### 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 ④
A580 - A750	250	795 ④

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: A9SB3-84★◆◆, \$ 1110.00.

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