

### Non-Reversing, Three Pole Contactors With AC Coil, Series CA7 (Open type only) ❶

I <sub>e</sub> [A] ❶		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Auxiliary Contacts per Contactor		Open Type  Catalog Number
		kW (50 Hz)				UL/CSA HP (60 Hz)								
		AC-3	AC-1	230V	400V/ 415V	500V	690V	1 Ø		3 Ø				
115V	230V							200V	230V	460V	575V			
9	32	3	4	4	4	1/2	1 1/2	2	2	5	7-1/2	1	0	CA7-9-10-* CA7-9-01-*
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	1	0	CA7-12-10-* CA7-12-01-*
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1	0	CA7-16-10-* CA7-16-01-*
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1	0	CA7-23-10-* CA7-23-01-*
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	0	CA7-30-00-* CA7-30-10-* CA7-30-01-*
37	65	11	18.5/ 20	20	18.5	3	5	10	10	25	30	0	0	CA7-37-00-* CA7-37-10-* CA7-37-01-*
43	85	13	22	25	22	3	7-1/2	10	15	30	30	0	0	CA7-43-00-* CA7-43-10-* CA7-43-01-*
55	85	15	30	30	22	5	10	15	20	40	40	0	0	CA7-55-00-* CA7-55-10-* CA7-55-01-*
60	100	18.5	32	37	32	5	10	15	20	40	50	0	0	CA7-60-00-* CA7-60-10-* CA7-60-01-*
72	100	22	40	45	40	5	15	20	25	50	60	0	0	CA7-72-00-* CA7-72-10-* CA7-72-01-*
85	100	25	45	55	45	7-1/2	15	25	30	60	60	0	0	CA7-85-00-* CA7-85-10-* CA7-85-01-*
97	130	30	55	55	55	10	20	30	30	75	75	0	0	CA7-97-00-* CA7-97-10-* CA7-97-01-*



CA7-9-10 contactor



CA7-55-00 contactor



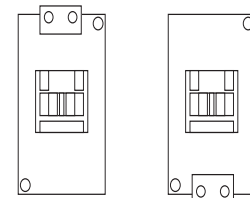
CA7-97-00 contactor

### Coil Codes ❷

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200-220V	208-240V
230Z	230V	230V
277	240V	277V
415	400-415V	~
480	440V	480V
600	550V	600V

### Coil Terminal Position ❸

All CA7 contactors are stocked and delivered with the coil terminals located on the line side (top) of the contactor. This is the typical configuration when using the contactor with an overload relay. When the contactor is used with the KT7 Motor Circuit Controller, the coil must be reversed, so that the coil terminals are located at the load side (bottom) of the contactor. CA7 coils can easily be reversed in the field, however, they are also available for order with the coils reversed from the factory. Contact your Sprecher + Schuh representative for more information about ordering CA7 contactors with reversed coils.



All CA7 contactors come with reversible coils.

### Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See Coil Codes on this page.

- ❶ AC1 Resistive Ratings and UL/CSA Continuous Current Ratings may be increased by the use of Lug Kits or Paralleling Links. See CA7 Accessories section for applicable information.
- ❷ Other voltages available, see page A56.
- ❸ For coil terminals on the load side (bottom) add a **U** in front of the coil code. For example: CA7-23-10-120 becomes CA7-23-10-**U**120.

### Non-Reversing, Four Pole Contactors With AC Coil, Series CA7 (Open type only)

I <sub>e</sub> [A]		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Contact Configuration, Main Pole		Open Type
		kW (50 Hz)				UL/CSA HP (60 Hz)								
		230V	400V 415V	500V	690V	1 Ø		3 Ø						
115V	230V					200V	230V	460V	575V	NO	NC			
AC-3	AC-1	230V	400V 415V	500V	690V	115V	230V	200V	230V	460V	575V	NO	NC	Catalog Number
9	32	3	4	4	4	1/2	1 1/2	2	2	5	7-1/2	4	0	CA7-9-M40-*
												3	1	CA7-9-M31-*
												2	2	CA7-9-M22-*
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	4	0	CA7-12-M40-*
												3	1	CA7-12-M31-*
												2	2	CA7-12-M22-*
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	4	0	CA7-16-M40-*
												3	1	CA7-16-M31-*
												2	2	CA7-16-M22-*
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	4	0	CA7-23-M40-*
												3	1	CA7-23-M31-*
												2	2	CA7-23-M22-*
37	75	11	18.5	20	18.5	3	5	10	10	25	30	4	0	CA7-40-M40-*
												2	2	CA7-40-M22-*
37	75	11	18.5/20	18.5	7.5	3	5	10	10	25	15	2	2	CA7-40-M22-*
85	130	25	45	55	45	7-1/2	15	25	30	60	50	4	0	CA7-90-M40-*
85	130	25	45	55	18.5	7-1/2	15	25	30	50	20	2	2	CA7-90-M22-*



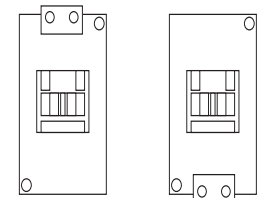
CA7-23-M22-120 contactor

### Coil Codes ❶

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200-220V	208-240V
230Z	230V	230V
277	240V	277V
415	400-415V	~
480	440V	480V
600	550V	600V

### Coil Terminal Position ❷

All CA7 contactors are stocked and delivered with the coil terminals located on the line side (top) of the contactor. This is the typical configuration when using the contactor with an overload relay. When the contactor is used with the KT7 Motor Circuit Controller, the coil must be reversed, so that the coil terminals are located at the load side (bottom) of the contactor. CA7 coils can easily be reversed in the field, however, they are also available for order with the coils reversed from the factory. Contact your Sprecher+Schuh representative for more information about ordering CA7 contactors with reversed coils.



All CA7 contactors come with reversible coils.

### Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See Coil Codes on this page.

❶ Other voltages available, see page A56.

❷ For coil terminals on the load side (bottom) add a U in front of the coil code. For example: CA7-23-M40-120 becomes CA7-23-M40-U120.

#### Non-Reversing, Three Pole Contactors With Electronic DC Coil, Series CA7 (Open type only) ①②③

I <sub>e</sub> [A] ①		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Auxiliary Contacts per Contactor		Open Type  Catalog Number	
		kW (50 Hz)				UL/CSA HP (60 Hz)									
		AC-3	AC-1	230V	400V/ 415V	500V	690V	1 Ø		3 Ø					
115V	230V							200V	230V	460V	575V				
9	32	3	4	4	4	1/2	1 1/2	2	2	5	7-1/2	1 0	0 1	CA7-9E-10-*	CA7-9E-01-*
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	1 0	0 1	CA7-12E-10-*	CA7-12E-01-*
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1 0	0 1	CA7-16E-10-*	CA7-16E-01-*
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1 0	0 1	CA7-23E-10-*	CA7-23E-01-*
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0 1 0	0 0 1	CA7-30E-00-*	CA7-30E-10-*
37	65	11	18.5/ 20	20	18.5	3	5	10	10	25	30	0 1 0	0 0 1	CA7-37E-00-*	CA7-37E-10-*
43	85	13	22	25	22	3	7-1/2	10	15	30	30	0 1 0	0 0 1	CA7-43E-00-*	CA7-43E-10-*
55	85	15	30	30	22	5	10	15	20	40	40	0 1 0	0 0 1	CA7-55E-00-*	CA7-55E-10-*
														CA7-55E-01-*	



CA7-16E-10-110E contactor ④



CA7-23E-10-24E contactor



CA7-55E-00-24E contactor

#### Description

Low Consumption Electronic DC coils have extremely low inrush which allows the use of smaller power supplies. CA7-9E...55E has internal surge suppression. See page A69 for more information.

This new design results in:

- Lighter, lower depth
- More energy efficient contactors
- Easier wiring
- Uniform panel appearance.

#### Applications

Direct control from PLC:

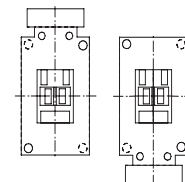
The low power consumption contactor designed to control motors and other loads is especially aligned to the specific requirement of electronic control circuits. The low power consumption of 1.7 allows direct control through PLC's without the need for interposing relays. Power dissipation is greatly reduced limiting the heat effect in control panels.

#### Coil Codes ②④

DC Coil Codes	Voltage
12E	12V
24E	24V
36E ⑤	36-48V
48E ⑤	48-72V
110E ⑤	110-125V
220E ⑤	220-250V

#### Coil Terminal Position ⑥

All CA7 contactors are stocked and delivered with the coil terminals located on the line side (top) of the contactor. This is the typical configuration when using the contactor with an overload relay. When the contactor is used with the KT7 Motor Circuit Controller, the coil must be reversed, so that the coil terminals are located at the load side (bottom) of the contactor. CA7 coils can easily be reversed in the field, however, they are also available for order with the coils reversed from the factory. Contact your Sprecher+Schuh representative for more information about ordering CA7 contactors with reversed coils.



All CA7 contactors come with reversible coils. (48V DC shown)

- ① AC1 Resistive Ratings and UL/CSA Continuous Current Ratings may be increased by the use of Lug Kits or Paralleling Links. See CA7 Accessories section for applicable information.
- ② CA7-9E...55E with electronic coils are not interchangeable with non-electronic DC or AC coils.
- ③ See page A47-A48 for limitations on adding auxiliaries to Electronic DC Coil contacts.

- ④ Voltages of 36V DC and greater are supplied with backpack module standard. See page A86.
- ⑤ Not applicable with Electronic Timer accessories (CRZ\_7).
- ⑥ For coil terminals on the load side (bottom) add a **U** in front of the coil code. For example: CA7-23E-10-24E becomes CA7-23E-10-**U**24E.