

#### Non-Reversing, Three Pole Contactors With AC Coil, Series CA7 (Open type only) ①

I <sub>e</sub> [A] ①		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Auxiliary Contacts per Contactor		Open Type		Price
		kW (50 Hz)				UL/CSA HP (60 Hz)										
		AC-3	AC-1	230V	400V / 415V	500V	690V	1 Ø		3 Ø						
9	32							3	4	4	4	1/2	1 1/2	2	2	5
0	1	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-*	155	
0	1	CA7-12-01-*														
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	1	0	CA7-16-10-*	174	
0	1	CA7-16-01-*														
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	1	0	CA7-23-10-*	193	
0	1	CA7-23-01-*														
30	65	10	15	15	15	2	5	7-1/2	10	20	25	0	0	CA7-30-00-*	222	
1	0	CA7-30-10-*	244													
0	1	CA7-30-01-*		244												
37	65	11	18.5/ 20		20	18.5	3	5	10	10	25	30	0	0	CA7-37-00-*	266
1	0	CA7-37-10-*	288													
0	1	CA7-37-01-*		288												
43	85	13	22		25	22	3	7-1/2	10	15	30	30	0	0	CA7-43-00-*	286
1	0	CA7-43-10-*	308													
0	1	CA7-43-01-*		308												
60	100	18.5	32		37	32	5	10	15	20	40	50	0	0	CA7-60-00-*	350
1	0	CA7-60-10-*	372													
0	1	CA7-60-01-*		372												
72	100	22	40		45	40	5	15	20	25	50	60	0	0	CA7-72-00-*	403
1	0	CA7-72-10-*	425													
0	1	CA7-72-01-*		425												
85	100	25	45		55	45	7-1/2	15	25	30	60	60	0	0	CA7-85-00-*	460
1	0	CA7-85-10-*	482													
0	1	CA7-85-01-*		482												



CA7-9-10-120 contactor



CA7-12-10-120 contactor



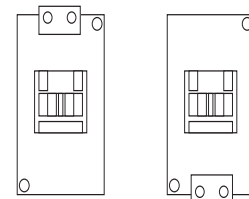
CA7-16-10-120 contactor

#### Coil Codes ②

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
208	~	208V
220W	~	208V-240V
240	220V	240V
277	240V	277V
380	380V-400V	440V
480	440V	480V
600	550v	600V

#### Coil Terminal Position

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.

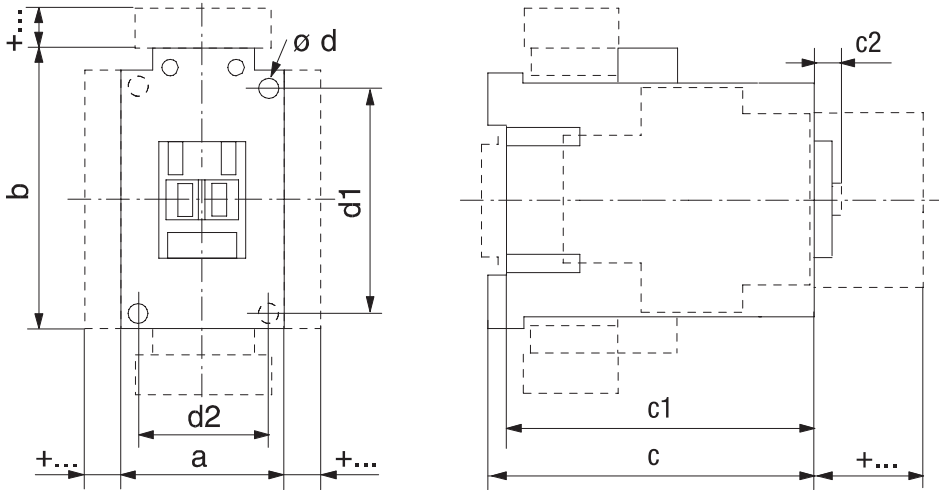
#### Ordering Instructions

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

- 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 Other voltages available, see page A61. Non-standard coil voltages not listed here must be ordered and installed separately as renewal parts.

**Series CA7, CAU7, CAQ7, CNX, CAN7 and CAL7 (Contactors, Reversing Contactors & Special Use Contactors)**

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



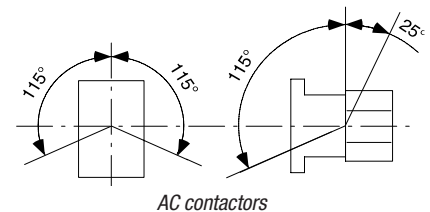
CA7  
Contactors

	Catalog Number	a	b	c	c1	c2	ød	d1	d2
AC Contactors	CA7-9...CA7-23; CAQ7-16; CAN7-12, CNX-205...208; CAN7-12, CA(V)L7-20	45 (1-25/32)	80 (3-3/16)	80.5 (3-11/64)	75.5 (3-3/32)	6 (1/4)	2-4.5 (2-3/16)	60 (2-23/64)	35 (1-25/64)
	CA7-30...CA7-37; CNX-209; CAN7-30...CAN7-37	45 (1-25/32)	81 (3-3/16)	97.5 (4)	92.6 (3-49/64)	6.5 (17/64)	2-4.5 (2-3/16)	60 (2-23/64)	35 (1-25/64)
	CA7-40-M... CAL7-30-M40	59 (2-21/64)	81 (3-3/16)	100.5 (4-7/64)	95.5 (3-49/64)	6.5 (17/64)	2-4.5 (2-3/16)	60 (2-23/64)	45 (1-25/32)
	CA7-43, CNX-212	54 (2-1/8)	81 (3-3/16)	100.5 (4-7/64)	95.5 (3-49/64)	6.5 (17/64)	2-4.5 (2-3/16)	60 (2-23/64)	45 (1-25/32)
	CA7-60...CA7-85 CNX-218	72 (2-53/64)	122 (4-51/64)	117 (4-49/64)	111.5 (4-35/64)	8.5 (21/64)	4-5.4 (4-7/32)	100 (3-15/16)	55 (2-11/64)
	CA7-90-M... CAL7-60-M40	95 (3-3/4)	122 (4-51/64)	117 (4-49/64)	111.5 (4-35/64)	8.5 (21/64)	4-5.4 (4-7/32)	100 (3-15/16)	55 (2-11/64)

**Reversing Contactors, Capacitor Contactors & Accessories (+...)**

Contactors with...		Dim. [mm]	Dim. [inches]
auxiliary contact block-front mounting	2-, or 4-pole	c/c1 + 39	c/c1 + 1-37/64
(CAQ7) capacitor switching deck -front mounting		c/c1 + 39	c/c1 + 1-37/64
auxiliary contact block-side mounting	1-, or 2 pole	a + 9	a + 23/64
pneumatic timing module		c/c1 + 58	c/c1 + 2-23/64
electronic timing module	on coil terminal side	b + 24	b + 15/16
reversing contactor w-mech.interlock	on side of contactor	a+9+a	a+ 23/64+a
mechanical latch		c/c1 + 61	c/c1 + 2-31/64
interface module	on coil terminal side	b + 9	b + 23/64
surge suppressor	on coil terminal side	b + 3	b + 1/8
Labeling with...	label sheet	+0	+0
	marking tag sheet with clear cover	+0	+0
	marking tag adapter for V7 Terminals	+5.5	+7/32

**Mounting Position**



**Catalog Number Coding**

Sprecher+Schuh employs a catalog number coding system for contactors (and many other devices) that follows a logical pattern, where every digit signifies a specific device attribute. Where indicated, the use of dashes (–) serves to separate device characteristics and should always be used when ordering.

The following example illustrates all of the possible combinations when specifying contactors and reversing contactors (open type only). See Section C for an explanation of the catalog number coding system for enclosed contactors and starters.

**CA**

**7-30**

**10**

**120**

**Configuration**

<b>CA</b>	Contactors
<b>CAU</b>	Reversing Contactors
<b>CAQ</b>	Capacitor Switching Contactors
<b>CAN</b>	NEMA Labeled Contactors
<b>CA(V)L</b>	Lighting Contactors
<b>CNX</b>	Special Purpose Contactors

**Contactor Series**

<u>Series CA8</u>	<u>Series CA6</u> ②
8-09(C)	6-95(-EI)
8-12(C)	6-110(-EI)
	6-140(-EI)
	6-180(-EI)
<u>Series CA7</u> ①	6-210-EI
7-9(C,D,E,Y)	6-250-EI
7-12(C,D,E,Y)	6-300-EI
7-16(C,D,E,Y)	6-420-EI
7-23(C,D,E,Y)	6-630-EI
7-30(C,D,E,Y)	6-860-EI
7-37(C,D,E,Y)	
7-43(C,D,E,Y)	
7-60(C,D,Y)	<u>Series CA5</u>
7-72(C,D,Y)	5-700
7-85(C,D,Y)	5-860
	5-1000
	5-1200

**Auxiliary Contacts**

<b>-10</b>	N.O. Auxiliary
<b>-01</b>	N.C. Auxiliary
<b>-11</b>	N.O. & N.C. Auxiliary
<b>-00</b>	No Auxiliaries
<b>4-pole CA7 &amp; CA8 Contactors</b> ③	
<b>-M40</b>	4 N.O. Power Poles
<b>-M31</b>	3 N.O. Power Poles/ 1 N.C. Power Pole
<b>-M22</b>	2 N.O. Power Poles/ 2 N.C. Power Poles

**Coil Code**

<u>AC</u>	<u>DC</u>
24(Z)	12D(D)
24E	24D(D)
110	48D(D)
120	110D(D)
208	220D(D)
220	
220W	
240	<u>No Coil</u>
277	<u>XXX</u>
380	(CA5 contactors only)
440	
480	
575	
600	

**This illustration is for reference only.**

**Turn to the appropriate page to determine specific catalog number & pricing.**

① (C, D, & E) suffix designates DC contactors. (Y) suffix indicates two contactor Wye-Delta contactors.  
 ② (-EI) suffix indicates electronic coil. Optional on CA6-95...180, standard on CA6-210...860.  
 ③ On four pole contactors, this number designates main power pole configuration.