

**Renewal Coils - A.C. ①②③**

AC Control Voltages			AC Coil Codes ②	For use with contactor ...				
				CA7-9...16	CA7-23...37	CA7-43	CA7-60...85	CA7-97
50 Hz	60 Hz	50/60 Hz		CA7-9-M...16-M...	CA7-23-M...37-M...	~	~	CA7-90-M...
				CAQ7-16	CAQ7-37	~	~	~
				CNX-205...206	CNX-207...209	CNX-212	CNX-218	~
				CAN7-12...16	CAN7-37	CA7-40-M, CAN7-43	CAN7-85	~
				~	CAL(V)7-20-M40	CAL(V)7-30-M40	~	CAL(V)7-60-M40
				Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
~	12V	~	<b>12B</b>	<b>TA006</b>	<b>TC006</b>	<b>TD006</b>	<b>TE006</b>	<b>TF006</b>
12V	~	~	<b>12A</b>	<b>TA404</b>	<b>TC404</b>	<b>TD404</b>	<b>TE404</b>	<b>TF404</b>
~	24V	~	<b>24B</b>	<b>TA013</b>	<b>TC013</b>	<b>TD013</b>	<b>TE013</b>	<b>TF013</b>
24V	~	~	<b>24A</b>	<b>TA407</b>	<b>TC407</b>	<b>TD407</b>	<b>TE407</b>	<b>TF407</b>
~	~	24V	<b>24Z</b>	<b>TA855</b>	<b>TC855</b>	<b>TD855</b>	<b>TE855</b>	<b>TF855</b>
32V	36V	~	<b>36</b>	<b>TA481</b>	<b>TC481</b>	<b>TD481</b>	<b>TE481</b>	<b>TF481</b>
36V	~	~	<b>36A</b>	<b>TA410</b>	<b>TC410</b>	<b>TD410</b>	<b>TE410</b>	<b>TF410</b>
42V	48V	~	<b>48</b>	<b>TA482</b>	<b>TC482</b>	<b>TD482</b>	<b>TE482</b>	<b>TF482</b>
48V	~	~	<b>48A</b>	<b>TA414</b>	<b>TC414</b>	<b>TD414</b>	<b>TE414</b>	<b>TF414</b>
~	~	48V	<b>48Z</b>	<b>TA860</b>	<b>TC860</b>	<b>TD860</b>	<b>TE860</b>	<b>TF860</b>
100V	100...110V	100	<b>110</b>	<b>TA861</b>	<b>TC861</b>	<b>TD861</b>	<b>TE861</b>	<b>TF861</b>
110V	120V	~	<b>120</b>	<b>TA473</b>	<b>TC473</b>	<b>TD473</b>	<b>TE473</b>	<b>TF473</b>
~	~	110V	<b>110Z</b>	<b>TA856</b>	<b>TC856</b>	<b>TD856</b>	<b>TE856</b>	<b>TF856</b>
120V	~	~	<b>120A</b>	<b>TA425</b>	<b>TC425</b>	<b>TD425</b>	<b>TE425</b>	<b>TF425</b>
127V	~	~	<b>127</b>	<b>TA428</b>	<b>TC428</b>	<b>TD428</b>	<b>TE428</b>	<b>TF428</b>
200V	200.. 220V	200V	<b>220</b>	<b>TA862</b>	<b>TC862</b>	<b>TD862</b>	<b>TE862</b>	<b>TF862</b>
~	208V	~	<b>208</b>	<b>TA049</b>	<b>TC049</b>	<b>TD049</b>	<b>TE049</b>	<b>TF049</b>
200...220V	208.. 240V	~	<b>220W</b>	<b>TA296</b>	<b>TC296</b>	<b>TD296</b>	<b>TE296</b>	<b>TF296</b>
220V	240V	~	<b>240</b>	<b>TA474</b>	<b>TC474</b>	<b>TD474</b>	<b>TE474</b>	<b>TF474</b>
200V..230V	~	~	<b>230A</b>	<b>TA441</b>	<b>TC441</b>	<b>TD441</b>	<b>TE441</b>	<b>TF441</b>
~	~	230V	<b>230Z</b>	<b>TA851</b>	<b>TC851</b>	<b>TD851</b>	<b>TE851</b>	<b>TF851</b>
230V..240V	~	~	<b>240A</b>	<b>TA440</b>	<b>TC440</b>	<b>TD440</b>	<b>TE440</b>	<b>TF440</b>
240V	277V	~	<b>277</b>	<b>TA480</b>	<b>TC480</b>	<b>TD480</b>	<b>TE480</b>	<b>TF480</b>
~	~	240V	<b>240Z</b>	<b>TA858</b>	<b>TC858</b>	<b>TD858</b>	<b>TE858</b>	<b>TF858</b>
~	347V	~	<b>347</b>	<b>TA065</b>	<b>TC065</b>	<b>TD065</b>	<b>TE065</b>	<b>TF065</b>
~	380V	~	<b>380B</b>	<b>TA067</b>	<b>TC067</b>	<b>TD067</b>	<b>TE067</b>	<b>TF067</b>
380V..400V	440V	~	<b>380</b>	<b>TA071</b>	<b>TC071</b>	<b>TD071</b>	<b>TE071</b>	<b>TF071</b>
~	~	400V	<b>400Z</b>	<b>TA863</b>	<b>TC863</b>	<b>TD863</b>	<b>TE863</b>	<b>TF863</b>
400V..415V	~	~	<b>415</b>	<b>TA457</b>	<b>TC457</b>	<b>TD457</b>	<b>TE457</b>	<b>TF457</b>
440V	480V	~	<b>480</b>	<b>TA475</b>	<b>TC475</b>	<b>TD475</b>	<b>TE475</b>	<b>TF475</b>
~	~	440V	<b>440Z</b>	<b>TA859</b>	<b>TC859</b>	<b>TD859</b>	<b>TE859</b>	<b>TF859</b>
500V	~	~	<b>500</b>	<b>TA479</b>	<b>TC479</b>	<b>TD479</b>	<b>TE479</b>	<b>TF479</b>
550V	600V	~	<b>600</b>	<b>TA476</b>	<b>TC476</b>	<b>TD476</b>	<b>TE476</b>	<b>TF476</b>
<b>Price</b>				<b>59</b>	<b>84</b>	<b>101</b>	<b>118</b>	<b>118</b>



CA7 AC Coil (typical)

A  
**Contactors**  
CA7

① Other coil voltages available. Contact your Sprecher + Schuh representative for information.  
 ② AC Codes in bold letters and shaded indicate coils that are standard stocked items.  
 ③ AC and DC coils on CNX-xxx contactors are not interchangeable.

#### Renewal Coils - D.C. ①②⑦

AC Control Voltages	DC Coil Codes ②	True DC Replacement Coils ⑦			Two Winding DC Replacement Coils ⑥				
		For use with contactor...			For use with contactor...				
		CA7-9C(D)...16C(D) CA7-9C(D)-M...16C(D)-M... CAQ7-16C CNX-205...206 CAN7-12C...16C	CA7-23C(D)...37C(D) CA7-23C(D)-M... CAQ7-37C CNX7-207...209 CAN7-37C	CA7-43C CA7-43C(D) CA7-40C-M... CNX7-212 CAN7-43C	CA-9Y...16Y	CAY-23Y...37Y	CA7-43Y	CA7-60D...85D ⑤	CA7-97D ⑤ CA7-90D-M...
Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	
9V ③	9D	<b>TA766</b>	<b>TC766</b>	<b>TD766</b>	~	~	~	~	~
9V Diode ③	9DD	~	~	~	<b>TA766Y</b>	<b>TC766Y</b>	<b>TD766Y</b>	<b>TE766M</b>	<b>TF766M</b>
12V	<b>12D</b>	<b>TA708</b>	<b>TC708</b>	<b>TD708</b>	~	~	~	~	~
12V Diode ③	<b>12DD</b>	~	~	~	<b>TA708Y</b>	<b>TC708Y</b>	<b>TD708Y</b>	<b>TE708M</b>	<b>TF708M</b>
24V ④	<b>24D</b>	<b>TA714</b>	<b>TC714</b>	<b>TD714</b>	~	~	~	~	~
24V Diode ④⑤	<b>24DD</b>	<b>TA714M</b>	<b>TC714M</b>	<b>TD714M</b>	<b>TA714Y</b>	<b>TC714Y</b>	<b>TD714Y</b>	<b>TE714M</b>	<b>TF714M</b>
36V	36D	<b>TA719</b>	<b>TC719</b>	<b>TD719</b>	~	~	~	~	~
36V Diode	36DD	~	~	~	<b>TA719Y</b>	<b>TC719Y</b>	<b>TD719Y</b>	<b>TE719M</b>	<b>TF719M</b>
48V	<b>48D</b>	<b>TA724</b>	<b>TC724</b>	<b>TD724</b>	~	~	~	~	~
48V Diode	<b>48DD</b>	~	~	~	<b>TA724Y</b>	<b>TC724Y</b>	<b>TD724Y</b>	<b>TE724M</b>	<b>TF724M</b>
60V	60D	<b>TA774</b>	<b>TC774</b>	<b>TD774</b>	~	~	~	~	~
60V Diode	60DD	~	~	~	<b>TA774Y</b>	<b>TC774Y</b>	<b>TD774Y</b>	<b>TE774M</b>	<b>TF774M</b>
64V	64D	<b>TA727</b>	<b>TC727</b>	<b>TD727</b>	~	~	~	~	~
64V Diode	64DD	~	~	~	<b>TA727Y</b>	<b>TC727Y</b>	<b>TD727Y</b>	<b>TE727M</b>	<b>TF727M</b>
72V	72D	<b>TA728</b>	<b>TC728</b>	<b>TD728</b>	~	~	~	~	~
72V Diode	72DD	~	~	~	<b>TA728Y</b>	<b>TC728Y</b>	<b>TD728Y</b>	<b>TE728M</b>	<b>TF728M</b>
80V	80D	<b>TA729</b>	<b>TC729</b>	<b>TD729</b>	~	~	~	~	~
80V Diode	80DD	~	~	~	<b>TA729Y</b>	<b>TC729Y</b>	<b>TD729Y</b>	<b>TE729M</b>	<b>TF729M</b>
110V	<b>110D</b>	<b>TA733</b>	<b>TC733</b>	<b>TD733</b>	~	~	~	~	~
110V Diode	<b>110DD</b>	~	~	~	<b>TA733Y</b>	<b>TC733Y</b>	<b>TD733Y</b>	<b>TE733M</b>	<b>TF733M</b>
115V	115D	<b>TA734</b>	<b>TC734</b>	<b>TD734</b>	~	~	~	~	~
115V Diode	115DD	~	~	~	<b>TA734Y</b>	<b>TC734Y</b>	<b>TD734Y</b>	<b>TE734M</b>	<b>TF734M</b>
125V	125D	<b>TA737</b>	<b>TC737</b>	<b>TD737</b>	~	~	~	~	~
125V Diode	125DD	~	~	~	<b>TA737Y</b>	<b>TC737Y</b>	<b>TD737Y</b>	<b>TE737M</b>	<b>TF737M</b>
220V	<b>220D</b>	<b>TA747</b>	<b>TC747</b>	<b>TD747</b>	~	~	~	~	~
220V Diode	<b>220DD</b>	~	~	~	<b>TA747Y</b>	<b>TC747Y</b>	<b>TD747Y</b>	<b>TE747M</b>	<b>TF747M</b>
230V	230D	<b>TA749</b>	<b>TC749</b>	<b>TD749</b>	~	~	~	~	~
230V Suppres.	230DS	~	~	~	<b>TA749Y</b>	<b>TC749Y</b>	<b>TD749Y</b>	<b>TE749M</b>	<b>TF749M</b>
250V	250D	<b>TA751</b>	<b>TC751</b>	<b>TD751</b>	~	~	~	~	~
250V Suppres.	250DS	~	~	~	<b>TA751Y</b>	<b>TC751Y</b>	<b>TD751Y</b>	<b>TE751M</b>	<b>TF751M</b>
Price (coil without diode)		<b>92</b>	<b>126</b>	<b>160</b>	~	~	~	~	~
Price (coil with diode)		<b>134</b>	<b>168</b>	<b>202</b>	<b>134</b>	<b>168</b>	<b>202</b>	<b>235</b>	<b>235</b>

**Note:** The "DD" coils listed above include an integrated bidirectional diode. Drop out time of this design is significantly improved when compared to an external diode. See ratings on page A73.



True DC coil (typical)



Two Winding DC coil (typical) ⑥

- ① Other coil voltages available. Contact your Sprecher + Schuh representative for information.
- ② DC Codes in bold letters and shaded indicate coils that are standard stocked items.
- ③ Voltage operating range:  $0.65 \dots 1.3 \times U_s$
- ④ Voltage operating range:  $0.7 \dots 1.25 \times U_s$
- ⑤ CA7-60D...97D contactors have a two winding coil with built-in late break auxiliary contact and coil suppression.
- ⑥ CA7-9Y...43Y two winding coils are sold for renewal parts only and are not interchangeable with standard CA7-9...43 AC coil contactors or CA7-9C...43C true DC coil contactors. CA7-9Y...43Y contactors should be tested following a coil swap to insure functionality of the timed auxiliary contact.
- ⑦ AC and DC coils on CNX-xxx contactors are not interchangeable.
- ⑧ "DD" coils with integrated surge suppression diode fit CA7-xxD contactors.

#### Replacement Contactors Cross Reference, Series CA1 to Series CA7 (Open Type Only) ①

I <sub>e</sub> [A] ①		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Series CA1U Obsolete	Series CA7 Equivalent		
		kW (50 Hz)				UL/CSA HP (60 Hz)								Catalog Number	Catalog Number
		AC-3	AC-1	230V	400V / 415V	500V	690V	1 Ø		3 Ø					
115V	230V							200V	230V	460V	575V				
						1	3	5	5	10	10	CA1U-10			
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15		CA7-16-10		
						2	3	7-1/2	7-1/2	15	20	CA1U-14			
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15		CA7-23-10		
						2	5	7-1/2	10	20	25	CA1U-16			
30	65	10	15	15	15	2	5	7-1/2	10	20	25		CA7-30-10		
						3	7-1/2	10	15	30	40	CA1U-25			
43	85	13	22	25	22	3	7-1/2	10	15	30	30		CA7-43-10		
72	100	22	40	45	40	5	15	20	25	50	60		CA7-72-10		
						5	15	25	25	50	60	CA1U-40			
85	100	25	45	55	45	7-1/2	15	25	30	60	60		CA7-85-10		

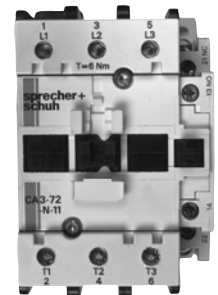


CA1U-10  
Contactor

⚠  
Contactors  
CA7

#### Replacement Contactors Cross Reference, Series CA3 to Series CA7 (Open Type Only) ①

I <sub>e</sub> [A] ①		Ratings for Switching AC Motors (AC2 / AC3 / AC4)										Series CA3 Obsolete	Series CA7 Equivalent		
		kW (50 Hz)				UL/CSA HP (60 Hz)								Catalog Number	Catalog Number
		AC-3	AC-1	230V	400V / 415V	500V	690V	1 Ø		3 Ø					
115V	230V							200V	230V	460V	575V				
								2	2	5	7-1/2	CA3-9-10			
9	32	3	4	4	4	1/2	1 1/2	2	2	5	7-1/2		CA7-9-10		
								3	3	7-1/2	10	CA3-12-10			
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10		CA7-12-10		
								5	5	10	15	CA3-16-10			
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15		CA7-16-10		
								5	5	10	15	CA3-23A-10			
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15		CA7-23-10		
								7-1/2	7-1/2	15	20	CA3-23-10			
30	65	10	15	15	15	2	5	7-1/2	10	20	25		CA7-30-10		
								10	10	20	25	CA3-30-10			
								10	10	25	30		CA7-37-10		
37	65	11	18.5/20	20	18.5	3	5	10	10	25	30	CA3-37			
43	85	13	22	25	22	3	7-1/2	10	15	30	30		CA7-43-10		
								10	15	30	40	CA3-43			
								15	20	40	50	CA3-60			
60	100	18.5	37	37	32	5	10	15	20	40	50		CA7-60-10		
								20	20	50	60	CA3-72			
72	100	22	40	45	40	5	15	20	25	50	60		CA7-72-10		
85	100	25	45	55	45	7-1/2	15	25	30	60	60		CA7-85-10		



CA3-72  
Contactor

① Available auxiliary contacts may vary. See selection pages for more information.