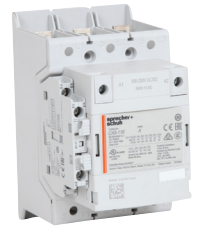


**Non-Reversing, Three Pole Contactors With AC/DC Coil, Series CA9 (Open type only) ①③**

I <sub>e</sub> [A]		Ratings for Switching AC Motors (AC2 / AC3)												Auxiliary Contacts per Contactor		Open Type	
		kW (50 Hz)								UL/CSA HP (60 Hz)							
		AC-3 (400V)	AC-1 (690V)	220-240V	380-400V	415V	440V	500V	690V	1000V	3 Ø						
116	160	37	55	55	75	75	63	55	30	40	75	100	1	1	CA9-116-11-* <sup>②</sup> -L	776.72	
															CA9-116-EI-11-* <sup>②</sup> -L	827.82	
146	225	45	75	75	90	90	90	75	40	50	100	125	1	1	CA9-146-11-* <sup>②</sup> -L	933.09	
															CA9-146-EI-11-* <sup>②</sup> -L	984.19	
190	275	55	90	90	110	110	110	132	50	60	125	150	1	1	CA9-190-11-*	1,563.66	
															CA9-190-EI-11-*	1,614.76	
205	350	55	110	110	132	132	132	160	60	75	150	200	1	1	CA9-205-11-*	1,778.28	
															CA9-205-EI-11-*	1,829.38	
265	400	75	132	132	160	160	200	200	75	100	200	250	1	1	CA9-265-11-*	1,931.58	
															CA9-265-EI-11-*	1,982.68	
305	500	90	160	160	160	200	250	185	100	125	250	300	1	1	CA9-305-11-*	2,166.64	
															CA9-305-EI-11-*	2,217.74	
370	600	110	200	200	200	250	315	200	125	150	300	350	1	1	CA9-370-11-*	2,892.26	
															CA9-370-EI-11-*	2,943.36	
400	600	110	200	220	220	250	315	220	125	150	350	400	1	1	CA9-400-EI-11-*	4,241.30	
460	700	132	250	250	250	315	355	280	150	200	400	500	1	1	CA9-460-EI-11-*	5,365.50	
580	800	160	315	355	355	400	500	355	200	250	500	600	1	1	CA9-580-EI-11-*	7,675.22	
750	1050	220	400	425	450	530	600	400	250	300	600	700	1	1	CA9-750-EI-11-*	11,242.00	
860	1350	250	475	500	560	630	800	555	~	400	800	1000	1	1	CA9-860-EI-11-*	17,374.00	
1060	1650	315	560	630	710	710	1000	600	~	450	900	1150	1	1	CA9-1060-EI-11-*	19,724.60	
~	1260	~	~	~	~	~	~	~	~	~	~	~	1	1	CA9-1260-EI-11-*	16,249.80	
~	2050	~	~	~	~	~	~	~	~	~	~	~	1	1	CA9-2050-EI-11-*	23,097.20	
~	2650	~	~	~	~	~	~	~	~	~	~	~	1	1	CA9-2650-EI-11-*	25,754.40	



CA9-116 contactor



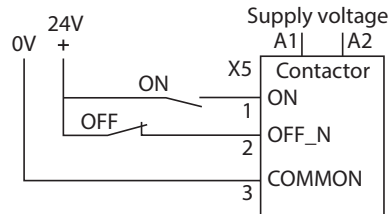
CA9-400-EI contactor



CA9-860-EI contactor

CA9-<sub>-EI</sub> coils are electronically controlled coils with the following characteristics:

- Ability to connect directly to a low level signal source such as a PLC ~15VDC (6mA) to 33VDC (20mA)
- Very low pull-in and holding current for contactors in this size class
- Threshold voltages for pull-in and drop-out are very precisely defined, eliminating "chattering"
- Supply voltage dips are bridged without extra equipment



PLC Interface "EI" connection

**Coil Codes**

Electronic Coils	V	24-60V	48-130V	100-250V	250-500V
CA9-116...370	AC/DC	24W	48W	120W	480W
CA9-116-EI...370-EI	AC/DC with PLC Input	~	~	120W	480W
CA9-400-EI...750-EI		24W ④	48W	120W	480W
CA9-860-EI...1060-EI		~	~	120W	~
CA9-1260-EI		24W ④	48W	120W	480W
CA9-2050-EI...2650-EI		~	~	120W	~

**Note:** CA9-190...2650 open-type contactors include terminal bolts. If lugs are required, see page A94 for ordering information.

**Ordering Instructions**

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

- ① "-EI" designates contactor coil with PLC input. Selections CA9-116...370 with "EI" requires use of control logic on terminals 1, 2, 3. CA9-400 contactors and larger include an integral switch to select use of "EI".
- ② CA9-116(-EI)...146(-EI) include terminal lugs. To order with terminal bolts remove the letter "-L" at the end of the catalog number. For example CA9-116(-EI)-\*-11-L becomes CA9-116(-EI)-\*-11.
- ③ For UL/CSA Elevator duty rating, consult Technical Information on page A103.
- ④ Coil is rated 24V...60V DC only.

CA9 Contactors

### Reversing, Three Pole Contactors With AC/DC Coil, Series CA9 (Open type only) ①②

I <sub>e</sub> [A]		Ratings for Switching AC Motors (AC2 / AC3)								Auxiliary Contacts per Contactor		Open Type				
		kW (50 Hz)				UL/CSA HP (60 Hz)										
AC-3 (400V)	AC-1 (690V)	220-240V	380-400V	415V	440V	500V	690V	1000V	3 Ø				NO	NC	③④ Catalog Number	Price
116	160	37	55	55	75	75	63	55	30	40	75	100	1	1	CAU9-116-22-* <b>-L</b> ⑥	1,982.68
															CAU9-116-EI-22-* <b>-L</b> ⑥	2,084.88
146	225	45	75	75	90	90	90	75	40	50	100	125	1	1	CAU9-146-22-* <b>-L</b> ⑥	2,197.30
															CAU9-146-EI-22-* <b>-L</b> ⑥	2,299.50
190	275	55	90	90	110	110	110	110	50	60	125	150	1	1	CAU9-190-22-*	3,577.00
															CAU9-190-EI-22-*	3,679.20
205	350	55	110	110	132	132	132	132	60	75	150	200	1	1	CAU9-205-22-*	4,006.24
															CAU9-205-EI-22-*	4,108.44
265	400	75	132	132	160	160	200	160	75	100	200	250	1	1	CAU9-265-22-*	4,476.36
															CAU9-265-EI-22-*	4,578.56
305	500	90	160	160	160	200	250	185	100	125	250	300	1	1	CAU9-305-22-*	4,946.48
															CAU9-305-EI-22-*	5,048.68
370	600	110	200	200	200	250	315	200	125	150	300	350	1	1	CAU9-370-22-*	6,397.72
															CAU9-370-EI-22-*	6,499.92
400	600	110	200	220	220	250	315	220	125	150	350	400	1	1	CAU9-400-EI-22-*	9,392.18
460	700	132	250	250	250	315	355	280	150	200	400	500	1	1	CAU9-460-EI-22-*	11,650.80
580	800	160	315	355	355	400	500	355	200	250	500	600	1	1	CAU9-580-EI-22-*	16,454.20
750	1050	220	400	425	450	530	600	400	250	300	600	700	1	1	CAU9-750-EI-22-*	23,608.20



CA9-190 Reversing Contactor

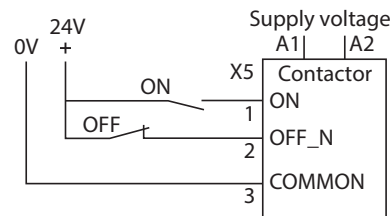
**Includes:**

- Mechanical and electrical Interlock
- Reversing power wiring (using Power Wiring Kit Cat.# CA9-PW...) ⑤
- Mounting plate (when required)
- Control wiring available; see footnote ④

Larger sizes are possible. Contact your Sprecher + Schuh representative.

CA9-...EI coils are electronically controlled coils with the following characteristics:

- Ability to connect directly to a low level signal source such as a PLC ~15VDC (6mA) to 33VDC (20mA)
- Very low pull-in and holding current for contactors in this size class
- Threshold voltages for pull-in and drop-out are very precisely defined, eliminating "chattering"
- Supply voltage dips are bridged without extra equipment



PLC Interface "EI" connection

### Coil Codes

Electronic Coils	V	24-60V	48-130V	100-250V	250-500V
CA9-116...370	AC/DC	24W	48W	120W	480W
CA9-116-EI...370-EI	AC/DC with PLC Input	~	~	120W	480W
CA9-400-EI...750-EI		24W ⑤	48W	120W	480W
CA9-860-EI...1060-EI		~	~	120W	~
CA9-1260-EI		24W ⑤	48W	120W	480W
CA9-2050-EI...2650-EI		~	~	120W	~

**Note:** CA9-190...2650 open-type contactors include terminal bolts. If lugs are required, see page A94 for ordering information.

⑤ For -LW Option Deduct the following from List Price	
CA9-116...190	178.85
CA9-205...2650	367.92
④ For -CW Option Add the following to List Price	
All CAU9	20.44

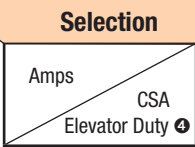
- ① "-EI" designates contactor coil with PLC input. Selections CA9-116...370 with "EI" requires use of control logic on terminals 1, 2, 3. CA9-400 contactors and larger include an integral switch to select use of "EI".
- ② For UL/CSA Elevator duty rating, consult Technical Information on page A103.
- ③ For Reversing Contactors *without* power wiring add suffix "-LW" to catalog number. For example: CAU9-116-22-\* becomes CAU9-116-22-\***-LW**. Control wiring is not included.
- ④ For control wiring, add suffix **-CW** to catalog number. For example: CAU9-116-22-\* becomes CAU9-116-22-\***-CW**.
- ⑤ Coil is rated 24V...60V DC only.
- ⑥ CAU9-116(-EI)...146(-EI) include terminal lugs. To order with terminal bolts remove the letter "-L" at the end of the catalog number. For example CAU9-116(-EI)-22-\***-L** becomes CAU9-116(-EI)-22-\*.

### Ordering Instructions

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

#### Hydraulic Elevator Wye Delta, with AC Coils (Two Contactor Type ①)

UL/CSA ELEVATOR DUTY				Auxiliary Contacts per Contactor		Open Type	Price
200V	230V	460V	575V	NO	NC ②	Catalog No.	
54 15	54 20	54 40	54 50	1	1	CA9Y2-116-22-* <b>LW</b> ③	1720
						CA9Y2-116-EI-22-* <b>LW</b> ③	1820
54 15	54 20	54 40	54 50	1	1	CA9Y2-146-22-* <b>LW</b> ③	2031
						CA9Y2-146-EI-22-* <b>LW</b> ③	2131
77 20	77 25	77 60	77 75	1	1	CA9Y2-190-22-* <b>LW</b>	3282
						CA9Y2-190-EI-22-* <b>LW</b>	3382
99 30	99 30	99 75	99 100	1	1	CA9Y2-205-22-* <b>LW</b>	3707
						CA9Y2-205-EI-22-* <b>LW</b>	3807
125 40	125 40	125 100	125 125	1	1	CA9Y2-265-22-* <b>LW</b>	4033
						CA9Y2-265-EI-22-* <b>LW</b>	4133
149 40	149 50	149 100	149 150	1	1	CA9Y2-305-22-* <b>LW</b>	4518
						CA9Y2-305-EI-22-* <b>LW</b>	4618
156 50	156 60	156 125	156 150	1	1	CA9Y2-370-22-* <b>LW</b>	5963
						CA9Y2-370-EI-22-* <b>LW</b>	6063



CA9Y2-116 Wye-Delta contactor

**Includes:**

- Mechanical and electrical Interlocks ⑤
- Mounting plate

CA9 “EI” coils are electronically controlled coils with the following characteristics:

- Ability to connect directly to a low level signal source such as a PLC ~15VDC (6mA) to 33 VDC (20mA)
- Very low pull-in and holding current for contactors in this size class
- Threshold voltages for pull-in and drop-out are very precisely defined, eliminating “chattering”
- Supply voltage dips are bridged without extra equipment

#### Coil Codes

Electronic Coils	V	24-60V	48-130V	100-250V	250-500V
CA9-116...370	AC/DC	24W	48W	120W	480W
CA9-116-EI...370-EI	AC/DC with PLC Input	~	~	120W	480W

#### Ordering Instructions

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

- ① “-EI” designates contactor coil with PLC input. Selections CA9-116...370 with “EI” requires use of control logic on terminals 1, 2, 3. CA9-400 contactors and larger include an integral switch to select use of “EI”.
- ② One NC auxiliary contact on each contactor is used for electrical interlocking.
- ③ Other voltages available, see page A96.
- ④ HP selection based on CSA Elevator Duty Ratings.
- ⑤ CA9Y2-116(-EI)...146(-EI) include terminal lugs.