

Low Power Consumption Low Profile Design Electronic DC Coil Contactor

CA7-9E...43E Contactors with 24V DC Electronic Coil

Same size as
AC coil contactors

Draws less than
1.5W/60mA

More energy
efficient

RoHs
compliant

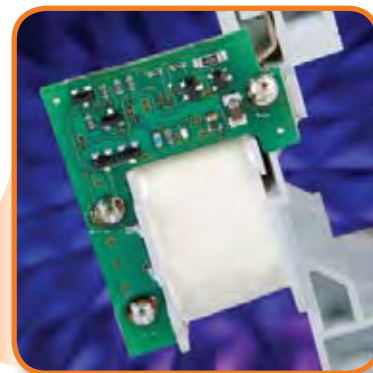
Reversible Line or Load
Side Coil Terminations

DIN Rail or
Screw Mount

3-pole and 4-pole
designs including
Reversing

Accepts most standard
CA7 accessories
(except electronic timers)

As little as 45mm wide
(1-3/4 inch)



24V DC Electronic Coil with
integrated (built-in) diode

Low Consumption DC Coils

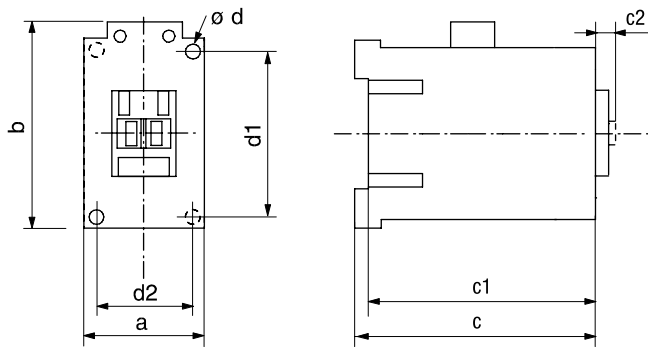
Sprecher+Schuh has expanded its line of CA7 industrial contactors with a new low consumption electronic coil. The 24V DC coil with low power consumption is integrated in a small contactor body and draws less than 1.5 W/60mA holding power. The new design results in a shorter and more energy efficient contactor, eases wiring and uniform panel appearance.

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 allows direct control through PLC's without the need for interposing relays. This means smaller power supplies which reduce panel space and cost.



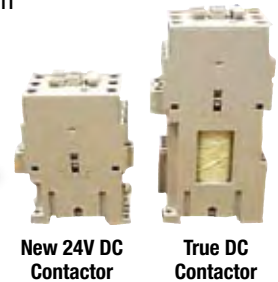
Ratings for Switching AC Motors (AC2 / AC3 / AC4)						3-Pole Open Type	Also Available	
UL/CSA HP (60 Hz)							Catalog Number Prefix	4-pole
1 Ø		3 Ø						
115V	230V	200V	230V	460V	575V			
1/2	1 1/2	2	2	5	7-1/2	CA7-9E	✓	✓
1/2	2	3	3	7-1/2	10	CA7-12E	✓	✓
1	3	5	5	10	15	CA7-16E	✓	✓
2	3	5	7-1/2	15	15	CA7-23E	✓	✓
2	5	7-1/2	10	20	25	CA7-30E		✓
3	5	10	10	25	30	CA7-37E		✓
3	7-1/2	10	15	30	30	CA7-43E		✓



Dimension Comparison to True DC Contactors

	a	b	c	c1	c2	ød	d1	d2
NEW! 24V DC Electronic								
CA7-9E...CA7-23E	45 (1-25/32)	81 (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)
CA7-30E, CA7-37E	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)
CA7-43E	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)
True DC								
CA7-9C...CA7-16C	45 (1-25/32)	81 (3-3/16)	106.5 (4-3/16)	101.5 (4)	6 (1/4)	2-4.5 (2-3/16)	60 (2-23/64)	35 (1-25/64)
CA7-23C	45 (1-25/32)	81 (3-3/16)	123.5 (4-55/64)	119 (4-43/64)	6 (1/4)	2-4.5 (2-3/16)	60 (2-23/64)	35 (1-25/64)
CA7-30C...CA7-37C	45 (1-25/32)	81 (3-3/16)	141.5 (5-37/64)	136.5 (5-3/8)	6.5 (17/64)	2-4.5 (2-3/16)	60 (2-23/64)	35 (1-25/64)

43mm Shorter than True DC
CA7-23E vs. CA7-23C



12x Less Inrush
CA7-9E vs. CA7-9Y

6x Less Power to Maintain
CA7-23E vs. CA7-23C

Wide Range of Sizes

Available in standard range of sizes for maximum flexibility and application use.

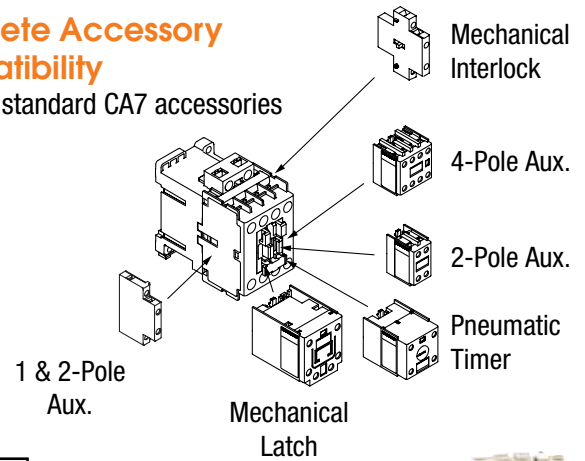
Extremely Low Inrush

Lower inrush means a smaller power supply may be used, resulting in:

- Easier wiring
- Uniform panel appearance
- Smaller panels mean less cost

Complete Accessory Compatibility

Fits most standard CA7 accessories



Coil Consumption Data Comparison

Coil Consumption			CA7-9	CA7-12	CA7-16	CA7-23	CA7-30	CA7-37
NEW! 24V DC Electronic Coil (9E...37E)	Pickup [W]		10	10	10	10	10	10
	Hold-in [W]		1.5	1.5	1.5	1.5	1.5	1.5
True DC Coils (CA7-9C...37C, CA7-9D...37D)	Pickup [W]		6.5	6.5	6.5	9.2	9.2	9.2
	Hold-in [W]		6.5	6.5	6.5	9.2	9.2	9.2
Two Winding DC Coils (CA7-9Y...37Y)	Pickup [W]		120	120	120	200	200	200
	Hold-in [W]		1.1	1.1	1.1	1.2	1.2	1.2

Smaller space requirement + lower inrush + lower holding power = LESS COST!