



Miniature Contactors and Starters that Pack a Punch

CA8 Family of Motor Controllers

**Rated
690 V**

**RoHs
Compliant**

**AC and DC
Reversing**

**AC and DC
Coils**

**Pluggable Surge
Suppressor Modules**

Compact Dimensions

Same size for AC or DC modules means less panel space and lower cost

CAT8 Miniature Starter

Consists of a CA8 Contactor **PLUS** a CT8 Thermal Overload Relay

Mechanically Interlocked AC or DC Reversing

CT8 Thermal Overload Relay Accessories

- Class 10 motor protection
- Manual or Automatic reset
- NO and NC contacts
- Adjustable overload dial
- Trip indication

CA8 Miniature Contactors
for motors up to 7.5 HP (@460V)

CRC Pluggable surge suppressor

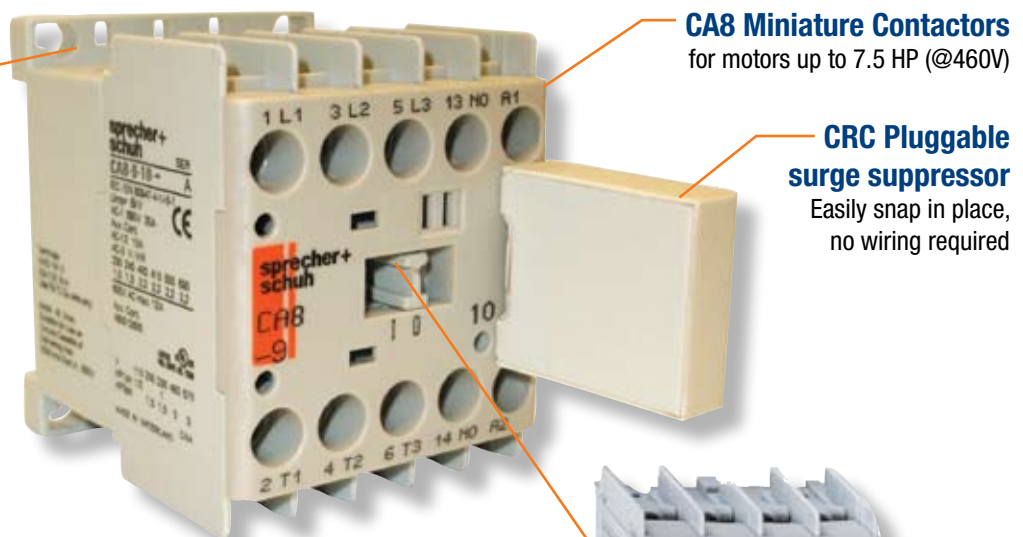
Easily snap in place,
no wiring required

Auxiliary Contacts

Multiple accessories mount
on front of contactor for a
smaller footprint

H-shaped Self Cleaning Auxiliary Contacts

Provide a 4-way current path
for high contact reliability



Sprecher + Schuh's new CA8 Series of miniature contactors and starters provide an extremely compact and reliable method of controlling motors of 7.5 HP or less (@460V). The CA8 Series is an economical choice for applications where space is limited or where a minimal enclosure is desired.

Small but rugged

Even though their contacts and coils are not replaceable, Sprecher + Schuh has subjected this series of contactors to monitored endurance tests that demonstrate their ruggedness. At full load, under 3-phase power, the contacts in the CA8 have an electrical life of 700,000 operations, while the AC magnet system has a mechanical life of 15,000,000 operations.

Pluggable Surge Suppressor Modules

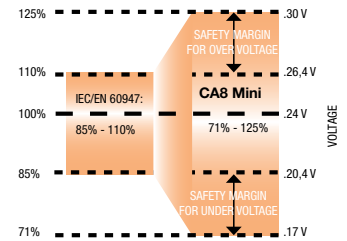
- Suppressor modules are simply plugged on the front of the contactors, next to the auxiliary contact blocks.
- No wiring required.
- Fast and easy installation.

Auxiliary Contact Reliability

- Bifurcated, AgNi (silver/nickel) plated contacts for high contact reliability for electronic signals 2mA/15V.
- H-shaped self cleaning auxiliary contacts providing a 4-way current path ensure high contact reliability for low energy switching.

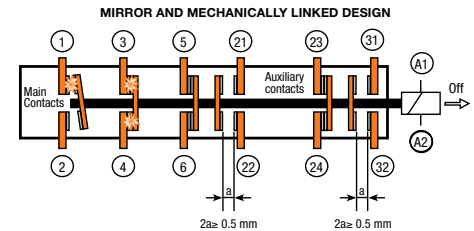
High Performance AC & DC Coils

- Wide range DC coils can provide reliability in case of over- and under-voltage, a common issue with battery-fed control power supply systems.
- The low coil consumption allows the contactors to be directly controlled via a PLC.
- Mirror contact between main and auxiliary contacts as per IEC 60947-4-1 prevent any status condition if a N.O. power pole welds.



All Around Safety in Every Aspect

- Mechanically linked performance between main contacts and internal auxiliary contacts. This feature provides status feedback in the event of a contact weld.
- If a contact welds, the auxiliary contact remains in the correct position indicating that power circuitry is not shut off correctly.



Top Mount Mechanical Interlock

- Allows for AC or DC reversing operation

Selected Technical Information

I _e [A]	Ratings for Switching AC Motors (AC2 / AC3 / AC4)									Auxiliary Contacts per Contactor		Open Type
	3 Ø kW (50 Hz)			UL/CSA HP (60 Hz)								
				1 Ø			3 Ø					
AC-1	230V	400V 415V	500V	115V	230V	200V	230V	460V	575V	NO	NC	Catalog Number
Non-Reversing, Three Pole Contactors With AC Coil, Series CA8 (Open type only)												
20	3	4	4	1/2	1-1/2	2	2	5	5	1	0	CA8-9-10-*
										0	1	CA8-9-01-*
20	3	5.5	5.5	3/4	2	3	3	7-1/2	7-1/2	1	0	CA8-12-10-*
										0	1	CA8-12-01-*
Non-Reversing, Three Pole Contactors with DC Coil, Series CA8 (Open type only)												
20	3	4	4	1/2	1-1/2	2	2	5	5	1	0	CA8-9C-10-*
										0	1	CA8-9C-01-*
20	3	5.5	5.5	3/4	2	3	3	7-1/2	7-1/2	1	0	CA8-12C-10-*
										0	1	CA8-12C-01-*

Coil Codes *

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
12	12V	12V
24Z	24V	24V
48	48V	48V
120	110V	120V
208	200V-220V	200V-220V
240	240V	240V
380 ⊕	Use Coil Code 400	
400 ⊕	400V	400V
480	440V	480V
575 ⊕	Use Coil Code 600	
600 ⊕	525V	600V

DC Coil Code	Voltage
12D	12V
24D	24V ⊕
48D	48V
110D	110V
125D	125V
220D	220V