

Series CA7 Contactors

NEW

A
Contactors
CA7

Rugged, space saving and modular...
Sprecher+Schuh's newest contactor for applications up to 60HP

Over 95 years of design experience has produced Sprecher+Schuh's seventh generation contactor line. The CA7 represents the most modern and flexible IEC power contactor available today, fulfilling the highest worldwide requirements.

Big performance in a small package

A wide selection of ten contactors in four frame sizes covers the entire CA7 horsepower range (up to 60HP @ 460/575V). Six of the contactors are only 45mm wide, an extremely small footprint for such rugged performance. A number of design features account for this efficiency, including high contact pressure and "bounce-free" contacts, allowing the devices to handle the high starting currents typical of modern motors.



Type 1 and Type 2 Coordination

Whether you are designing motor circuits for use in North America, Europe or any other part of the world, all CA7 contactors have been designed and tested with respect to Type 1 and Type 2 short circuit coordination. This information can be found in the Technical Information section on page A29.

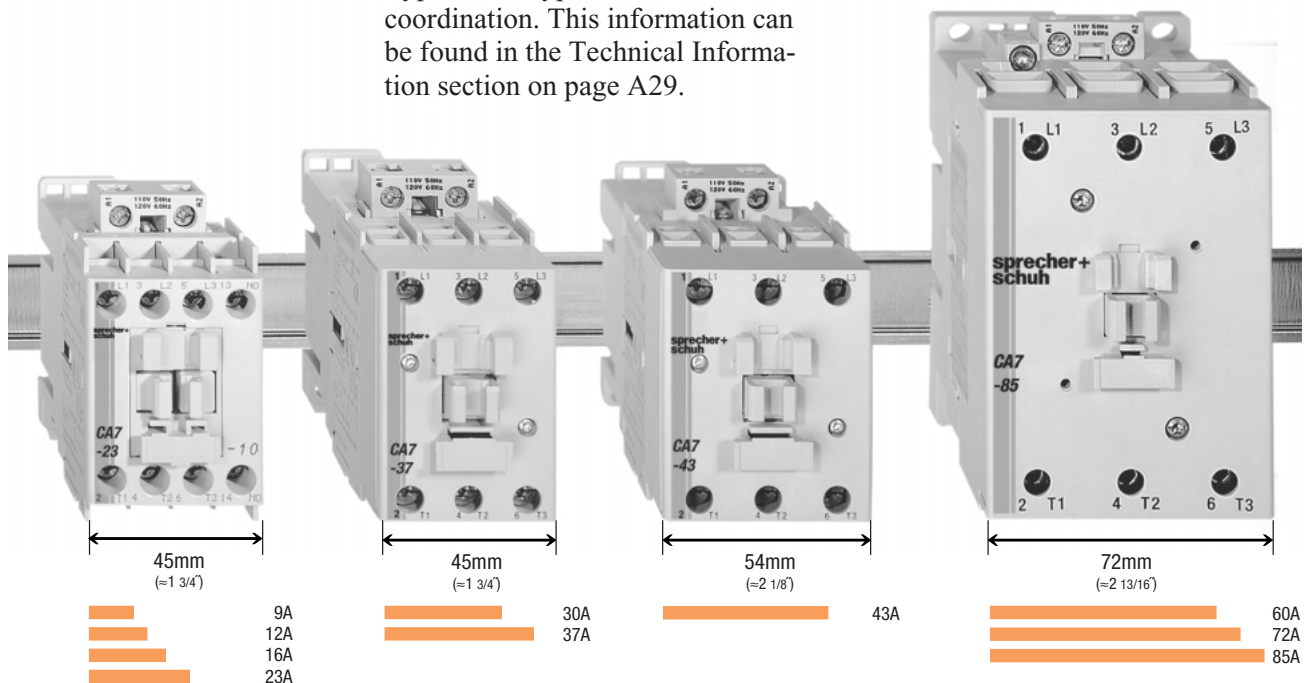
Advanced safety and reliability features

The entire CA7 line features positively guided contacts, such that if a main power pole welds, adequate clearances exist ($\geq 0.3\text{mm}$) to ensure that the auxiliary contacts do not change state when coil power is removed and the device tries to open. This is a requirement in safety circuits.

Reliability is further assured by "cross-stamped" auxiliary contacts, which provide multi-point reliability in low current, low voltage applications.

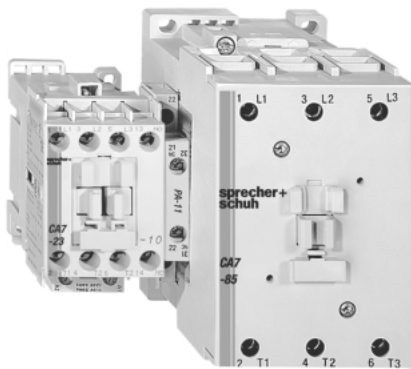
DC coils have reduced wattage requirement

CA7-9C through 43C contactors are available with true two wire coils that have a unique "V-shaped" armature that decreases wattage consumption during pull-in. Larger CA7 contactors utilize a two winding DC coil with built-in coil suppression and an internal contact that bypasses the pull-in coil to the hold-in coil. In addition to reducing wattage requirements, this feature eliminates the need for an add-on auxiliary contact.



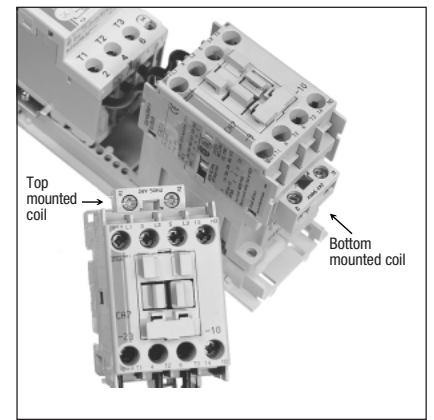
Modular accessories are common to all devices

All accessories are interchangeable among all CA7 contactors and CS7 control relays. This minimizes inventory requirements and maximizes flexibility. Top and side mount auxiliary contacts are available depending on your application. A mechanical interlock with two built-in NC auxiliaries also provides electrical interlocking if desired. Pneumatic and electronic timers, surge suppressors and electronic interface modules provide solutions for even the most complex applications.



Reversible coil provides total flexibility

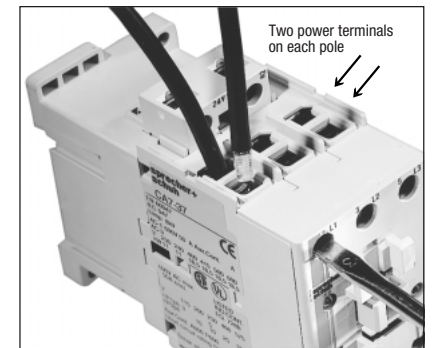
When shipped, both coil connections are normally located at the top of the contactor in preparation for mounting an overload relay at the bottom. For multi-starter panels, however, the coil can be reversed, which provides space to close-couple a KTA3 Motor Circuit Controller on the top of the contactor. CA7 contactors can either be ordered with the coil reversed or may be easily reversed in the field.



Reversible coils are standard on all CA7 contactors

Dual power terminals speed wiring

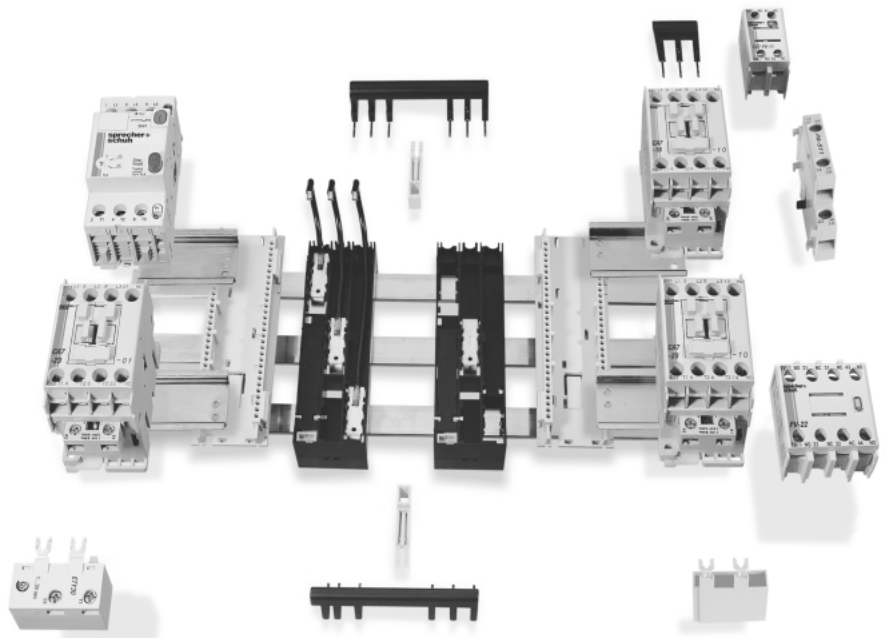
CA7-30 through 85 contactors are designed with two power terminals for all three poles. This simplifies power wiring of interconnected contactors in reversing, reduced voltage and two-speed applications. Preformed power wiring connectors are also available for virtually instantaneous wiring in these labor intensive applications. Simplified wiring means less labor and less cost.



Dual power terminals assure hassle-free wiring in complex control schemes

The Millennium⁷ System - Modular control for today and tomorrow

CA7 contactors are at the heart of Sprecher+Schuh's new Millennium⁷ modular control system, a coordinated group of motor control components that are both mechanically and electrically compatible. This integrated "building block" system can be configured to meet your exact specifications without purchasing and stocking various dedicated components and accessories. See the Millennium⁷ catalog (Pub No: M7-2) for more information.



CA7 contactors are at the heart of the new Millennium⁷ Modular Control System which includes CEP7 solid state overload relays, KTA3 Motor Circuit Controllers and the KA2 Bus Bar system