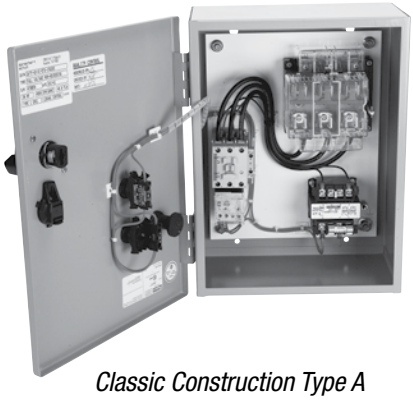
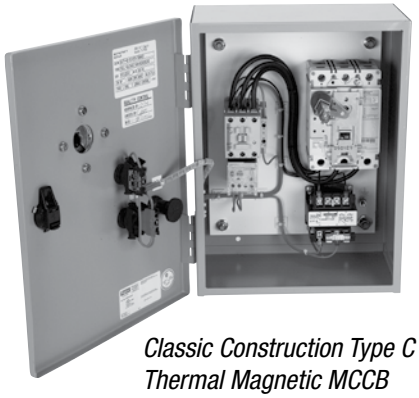
Type E/F Combination Controllers

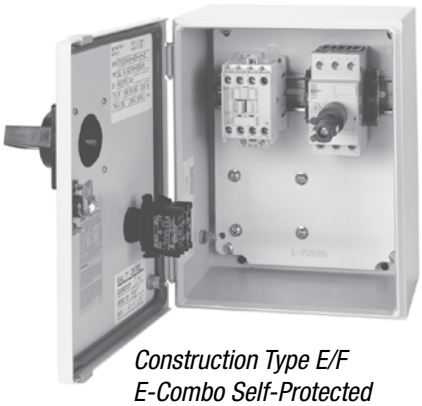
An alternative to the Classic Combination Starter



Classic Construction Type A Fusible Cobination Starter



Classic Construction Type C Thermal Magnetic MCCB Cobination Starter



Construction Type E/F E-Combo Self-Protected Motor Controller

The Classic Combo

Classic combination starters in Construction Type A use fusible L11 or L10 Disconnect switches. Contruction Type C combos use UL489 Molded Case Circuit Breakers. Both are popular choices but Sprecher + Schuh's E-Combo line offers an alternative.

Advanced Alternative

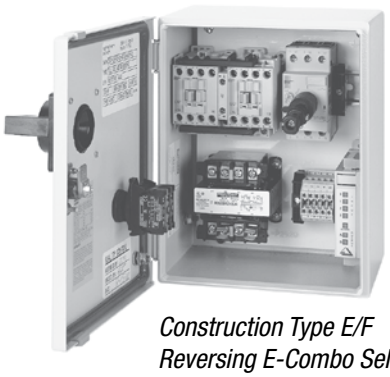
Technology has advanced in the last two decades and UL, NEC, and CSA now recognize Self-Protected Combination Motor Controllers as providing a means of thru-the-door disconnect, short circuit protection, and overload protection in a single device (KTA7). Further, when KTA7 is combined with CA7 contactors for remote operation, the resulting assembly is a Construction Type E/F Combination Starter. Less components and a smaller enclosure means a functional equal to the Classic Combo at a reduced price.

The E-Combo Starter

Sprecher + Schuh's Ecombo and EcomboPlus starters are the compact alternative to larger and higher priced combination starters. E-Combos include:

- KTA7 "Type E/F" Self-protected Motor Controller with 1 N.O. front mount auxiliary contact
- CA7 or CAN7 Contactors (for remote operation)
- Terminal Adaptor for Type E Applications
- Power and Control Wiring
- Type 12/4 enclosure, dual rated - watertight, dusttight
- Gray/Black or Red/Yellow Type 4/4X/12; IP66 handle
- Factory installed pilot device options
- Higher SCCR ratings than MCCB combination versions
- All in a smaller NEMA Type 4/12 enclosure at a more economical price.

For details on these economical combination starter alternatives turn to:
- Catalog Number Selection, page F56
- UL, NEC and CSA Application rules, page F119



Construction Type E/F Reversing E-Combo Self-Protected Motor Controller