

or
Build from
Stock!



Sprecher + Schuh offers a broad selection of pre-assembled or "build-from-stock" starters housed in a high impact, non-metallic, cUL approved, Type 1, 12, 4, 4X enclosure. Built for convenience, space savings and economy, KWIKstarters are efficiently designed to use standard CA7 contactors and CEP7 overloads (or CA8 contactor and CT8 overloads) usually stocked by distributors. The contactor and overload are either pre-wired and pre-mounted onto the enclosure's built-in DIN-rail or may be ordered as separate components. Ample knockouts and open terminals guarantee quick, no fuss wiring.

- Designed for simplicity, maximum flexibility and ease of assembly.
- Preassembled or build from stock: simple, fast, economical enclosed starters for applications up to 40HP.
- Options for cover controls offer maximum application flexibility.
- Also available as a Type E/F Combination Motor Controller



*FVNR Start-Stop
or Reset only -
CA7-9...23 with CEP7
CA8-09...12 with CT8*



*FVNR Hand-Off-Auto
with Pilot Light -
CA7-9...23 with CEP7*



*Multi-Function with
Emergency Stop
CA7-9...23 with CEP7*



*FVNR Start/Stop
CA7-30...55 with CEP7*



*FVR Forward-Stop-Reverse
CX7-9...23 or CXU7-9...23*



*FVNR or FVR KTA9 E-Combo
CL(U)-KAL709...716*



Build from Stock

- ① Determine cover controls
- ② Choose your enclosure
- ③ Choose your CA7/CA8 Contactor
- ④ Select a CEP7/CT8 Overload
- ⑤ Assemble and Install



KS7-C0S1
KS8-C0S1 (smaller dim.)



KS7-C0S4
KS8-C0S4 (smaller dim.)



KS7-C2S4



KS7-C0S4R



KS7-C0C4R
(uses KTA9)



Reset Only
(in KS7-C0S1 &
KS8-C0S1)

Start-Stop
(in KS7-C0S4 &
KS8-C0S4)

Non-Reversing Start-Stop or Reset only CA7-9...23 with CEP7 and CA8-09...12 with CT8

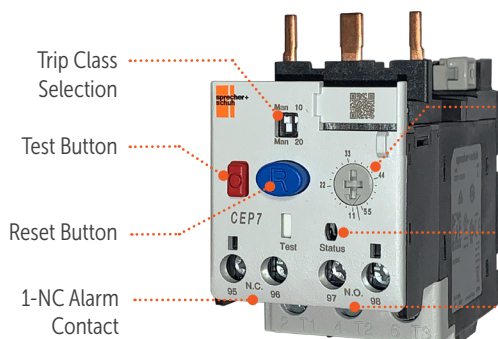
CA7 Series

- Full voltage non-reversing starter from 9A to 23A - or in NEMA sizes 00 & 0
- Three Phase up to 15HP @ 460V/575V and Single Phase up to 3HP @ 230V
- Available for AC or DC control applications
- Utilizes the CEP7 Electronic Overload Relay
- The Start-Stop version provides a latch option for maintained control, while the Reset version enables the operation of an Auto-Remote control device.
- Small footprint - 208 mm H x 98 mm W x 117 mm D (correlates to 8.19"x3.86"x4.59")
- Order factory assembled - or completely build from stock with a contactor, overload and enclosure

CA8 Series

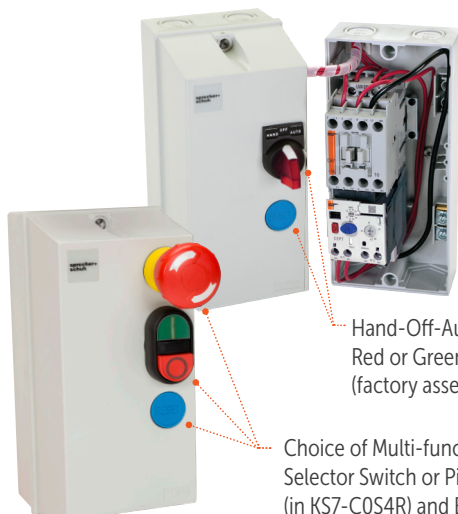
- Full voltage non-reversing starter from 9A to 12A
- Three Phase up to 7.5HP @ 460V/575V and Single Phase up to 2HP @ 230V
- Available for AC and DC control applications
- Utilizes the CT8 Thermal Bimetallic Overload Relay
- The Start-Stop version provides a latch option for maintained control, while the Reset version enables the operation of an Auto-Remote control device.
- Smaller footprint - 163 mm H x 83 mm W x 109 mm D (correlates to 6.4" x 3.3 x 4.3")
- Order factory assembled - or completely build from stock with a contactor, overload and enclosure

For use with CA7 CEP7 Electronic Overload



For use with CA8 CT8 Thermal Bimetallic Overload Relays



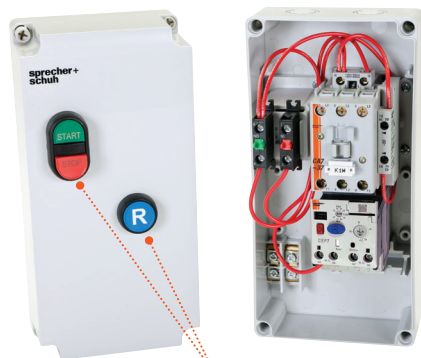


Hand-Off-Auto Switch with Red or Green light & Reset (factory assembled)

Choice of Multi-function pushbutton or Selector Switch or Pilot light with Reset (in KS7-C0S4R) and E-STOP button

Non-Reversing with Illuminated Hand-Off-Auto CA7-9...23 with CEP7 and Multi-Function w/Emergency Stop CA7-9...23 w/CEP7

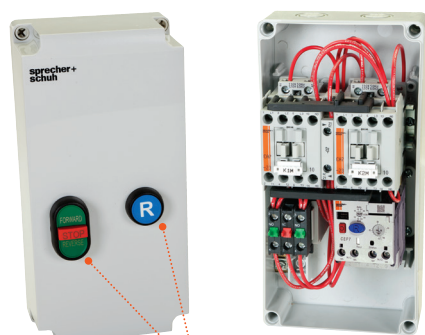
- Full voltage non-reversing starter from 9A to 23A - or in NEMA Sizes 00 & 0
- Three Phase up to 15 HP @ 460V/575V and Single Phase up to 3 HP @ 230V
- Utilizes the CEP7 Electronic Overload Relay
- Available for AC or DC control applications
- Smaller footprint - 208 mm H x 98 mm W x 139 mm D (correlates to 8.19" x 3.86" x 5.47")
- Factory assembled for quick installation



Choice of Multi-function pushbutton or Selector Switch or Pilot light with Reset (in KS7-C2S4)

Non-Reversing Start/Stop with Reset CA7-30...55 with CEP7

- Full voltage non-reversing starter from 30A to 55A - or in NEMA Sizes 1 & 2
- Three Phase up to 40 HP @ 460V/575V and Single Phase up to 10 HP @ 230V
- Uses CEP7 Electronic Overload Relay
- Available for AC or DC control applications
- Small footprint - 250 mm H x 125 mm W x 141 mm D (correlates to 9.85" x 4.93" x 5.56")
- Order factory assembled or completely build from stock with a contactor, overload and enclosure



Choice of Multi-function pushbutton or Selector Switch or Pilot light with Reset (in KS7-C0S4R)

Reversing Forward-Stop-Reverse with Reset CAU7-9...23 with CEP7

- Full voltage reversing starter from 9A to 23A - or in NEMA Sizes 00 & 0
- Three Phase up to 15 HP @ 460V/575V
- Available for AC or DC control applications
- Uses CEP7 Electronic Overload Relay
- Small footprint - 250 mm H x 125 mm W x 141 mm D (correlates to 9.85" x 4.93" x 5.56")
- Order factory assembled or completely build from stock with a contactor, overload and enclosure



External Handle for KTA9

Choice of Multi-function pushbutton or Selector Switch or Pilot light (in KS7-C0C4R)

CX7 Type E/F KWIKstarters

- Full voltage non-reversing and reversing starters from 9A to 16A - or in NEMA size 00 & 0
- Three Phase up to 10 HP @ 460V/575V (contingent to a Wye connection)
- Available for AC or DC control applications
- Uses KTA9 motor protection circuit breaker
- Small footprint - 250 mm H x 125 mm W x 158 mm D (correlates to 9.5" x 4.93" x 6.21")
- Order factory assembled - or completely build from stock.

Knockouts
Top and bottom 20/25mm
cable gland entry

D7 Contacts
Standard components ❶
Base mounted

**Optional neutral
connection kit installed**
Optional grounding kit

Insulated Enclosure
cUL Type 1, 12, 4 & 4X, IP66
Generous wiring space top
and bottom



❶ Units with pilot light use D7D Monolithic.

*Shown above CA7-37 + CEP7 (Q2 Dim.)

Choice of Coils
A variety of AC coils or
Electronic DC coils

Mount OLR directly to CA7 Contactor
Select CEP7 Electronic Overload Relay

Sized for most industrial applications

These rugged, modular starters are built with state-of-the-art CA7 Series contactors, noted for their long and reliable service. "Bounce free" contacts and high contact pressure allow the device to handle high inrush currents with no effect on performance. KWIKstarters control motors up to 40HP @ 460V in three sizes of enclosures,

1. **Q0 dim** - uses CA8 163 mm H x 83 mm W x 109 mm D
(6.4 in x 3.3 in x 4.3 in)
2. **Q1 dim** - uses CA7 208 mm H x 98 mm W x 117 mm D
(8.19 in x 3.86 in x 4.59 in)
3. **Q2 dim** - uses CA7 250 mm H x 125 mm W x 141 mm D
(9.85 in x 4.93 in x 5.56 in)

This covers over 85% of industrial motor control applications in a very compact package that can be mounted adjacent to or directly on equipment.

Solid state (Electronic) overload Relay

KWIKstarters, utilizing the CA7 series sizes 9 to 55 amps supplied with Sprecher+Schuh's solid state overload relay. The CEP7 solid state overload relays measure motor current directly through integrated current transformers and on board electronics. The electronics provide increased accuracy and numerous other advantages over electromechanical relays.

Build it yourself...

KWIKstarters may be assembled from stock components. Just select a CA7/CA8 contactor and overload of your choice and snap them into the enclosure. Minimal wiring is required and assembly can be completed in minutes.

For more information, or to contact your Sprecher + Schuh representative, visit

www.sprecherschuh.com

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