

KT7 Assembly – Application Rating Chart (Ratings are dependent on type of application) ①

| Rating Index | Assembly Components | | Manual Controller or Group Installation | | | | Combination Motor Controller (Type F) | | | | Self-Protected Combination Motor Controller (Type E) | |
|---|---------------------|------------------------|---|-------------|-------------|-------------|---------------------------------------|-------------|-------------|-------------|--|-------------|
| | | | 480V | | 600V | | 480Y / 277V | | 600Y / 347V | | 480Y / 277V | 600Y / 347V |
| | KT7 | Minimum Contactor Size | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type E KAIC | Type E KAIC |
| KT7 + CA7 UL Assemblies (CL7 / CLU7/ CK7 / CKU7) | | | | | | | | | | | | |
| 1 | KTA7-25S-0.16A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 2 | KTA7-25S-0.25A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 3 | KTA7-25S-0.4A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 4 | KTA7-25S-0.63A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 5 | KTA7-25S-1A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 6 | KTA7-25S-1.6A | CA7-9 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 7 | KTA7-25S-2.5A | CA7-9 | 65 | 65 | 30 | 10 | 65 | 65 | 30 | 10 | 65 | ~ |
| 8 | KTA7-25S-4A | CA7-9 | 65 | 50 | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| -- | KTA7-25S-4A | CA7-30 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| 9 | KTA7-25S-6.3A | CA7-9 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 11 | KTA7-25S-10A | CA7-9 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 12 | KTA7-25S-16A | CA7-12 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |
| 14 | KTA7-25S-16A | CA7-30 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |
| 15 | KTA7-25S-20A | CA7-16 | 30 | ~ | 30 | ~ | 10 | ~ | ~ | ~ | ~ | ~ |
| 16 | KTA7-25S-25A | CA7-23 | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| -- | KTA7-32S-29A | CA7-30 | 30 | 10 | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| -- | KTA7-32S-32A | CA7-37 | 30 | 10 | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 17 | KTA7-25H-2.5A | CA7-9 | 65 | 65 | 30 | 10 | 65 | 65 | 30 | 10 | 65 | ~ |
| 18 | KTA7-25H-2.5A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 19 | KTA7-25H-4A | CA7-9 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | ~ | ~ | ~ |
| 21 | KTA7-25H-4A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 22 | KTA7-25H-6.3A | CA7-9 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | ~ | ~ | ~ |
| 23 | KTA7-25H-6.3A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | 30 | 65 | 30 |
| 24 | KTA7-25H-10A | CA7-9 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | ~ | ~ | ~ |
| 27 | KTA7-25H-10A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | 30 | 65 | 30 |
| 28 | KTA7-25H-16A | CA7-12 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | ~ | ~ | ~ |
| 30 | KTA7-25H-16A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | 30 | 65 | 30 |
| 31 | KTA7-25H-20A | CA7-23 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | ~ | ~ |
| 32 | KTA7-25H-20A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | 65 | ~ |
| 33 | KTA7-25H-25A | CA7-23 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | ~ | ~ |
| 34 | KTA7-25H-25A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | 65 | ~ |
| -- | KTA7-32H-29A | CA7-30 | 65 | 65 | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| -- | KTA7-32H-32A | CA7-37 | 65 | 65 | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 36 | KTA7-45H-10A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 37 | KTA7-45H-16A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 38 | KTA7-45H-20A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 39 | KTA7-45H-25A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 41 | KTA7-45H-32A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 45 | KTA7-45H-45A | CA7-37 | 65 | 65 | 18 | 10 | 65 | 65 | ~ | ~ | 65 | ~ |
| 46 | KTA7-45H-45A | CA7-43 | 65 | 65 | 18 | 10 | 65 | 65 | ~ | ~ | 65 | ~ |

Gray type indicates non-cataloged assembly. Contact your Sprecher + Schuh representative for information.

① The ratings in these tables assume connection between components are made with Sprecher + Schuh Connection Modules.
Engineering Practice allows wire connection as an alternative.

F
ECombo Circuit Controllers

KT7 Assembly – Application Rating Chart (Ratings are dependent on type of application) ①②

| Rating Index | Assembly Components | | Manual Controller or Group Installation | | | | Combination Motor Controller (Type F) | | | | Self-Protected Combination Motor Controller (Type E) | |
|-----------------------------------|---------------------|------------------------|---|-------------|-------------|-------------|---------------------------------------|-------------|-------------|-------------|--|-------------|
| | | | 480V | | 600V | | 480Y / 277V | | 600Y / 347V | | 480Y / 277V | 600Y / 347V |
| | KT7 | Minimum Contactor Size | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type E KAIC | Type E KAIC |
| KTC7 + CA7 UL Assemblies ① | | | | | | | | | | | | |
| ① | KTC7-25S-0.16A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| | KTC7-25S-0.25A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| | KTC7-25S-0.4A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| | KTC7-25S-0.63A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| | KTC7-25S-1A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| | KTC7-25S-1.6A | CA7-9...23 | 65 | 65 | 30 | 10 | 65 | 65 | 30 | 10 | 65 | ~ |
| | KTC7-25S-2.5A | CA7-9...23 | 65 | 50 | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| | KTC7-25S-2.5A | CA7-23 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| | KTC7-25S-4A | CA7-9...23 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| | KTC7-25S-6.3A | CA7-12...23 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| | KTC7-25S-10A | CA7-12...43 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |
| | KTC7-25S-16A | CA7-23 | 30 | ~ | 30 | ~ | 10 | ~ | ~ | ~ | ~ | ~ |
| ① | KTC7-25H-16A | CA7-23 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | ~ | ~ |
| | KTC7-25H-16A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | 65 | ~ |
| | KTC7-25H-20A | CA7-23 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | ~ | ~ |
| | KTC7-25H-20A | CA7-30 | 65 | 65 | 30 | ~ | 65 | 65 | ~ | ~ | 65 | ~ |
| ① | KTC7-45H-25A | CA7-30 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| | KTC7-45H-32A | CA7-37 | 65 | 65 | 18 | 10 | 65 | 65 | ~ | ~ | 65 | ~ |

F ECombo Circuit Controllers

① Non-cataloged assemblies. Contact your Sprecher+ Schuh representative for information.
 ② The ratings in these tables assume connection between components are made with Sprecher + Schuh Connection Modules. Engineering Practice allows wire connection as an alternative.

KT7 Assembly – Application Rating Chart (Ratings are dependent on type of application) ①

| Rating Index | Assembly Components | | Manual Controller or Group Installation | | | | Combination Motor Controller (Type F) | | | | Self-Protected Combination Motor Controller (Type E) | |
|---|-----------------------|------------------------|---|-------------|-------------|-------------|---------------------------------------|-------------|-------------|-------------|--|-------------|
| | | | 480V | | 600V | | 480Y / 277V | | 600Y / 347V | | 480Y / 277V | 600Y / 347V |
| | KT7 | Minimum Contactor Size | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type 1 KAIC | Type 2 KAIC | Type E KAIC | Type E KAIC |
| KT A7 + CA8 UL Assemblies (CL8 / CLU8) | | | | | | | | | | | | |
| -- | KTA7-25S-(0.16A...1A) | CA8-05 | 65 | 65 | 47 | ~ | 65 | ~ | 47 | ~ | ~ | ~ |
| -- | KTA7-25S-1.6A | CA8-05 | 65 | ~ | 47 | ~ | 65 | ~ | 47 | ~ | ~ | ~ |
| -- | KTA7-25S-(2.5A...4A) | CA8-05 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| -- | KTA7-25S-6.3A | CA8-05 | 65 | ~ | ~ | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 1M | KTA7-25S-0.16A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 2M | KTA7-25S-0.25A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 3M | KTA7-25S-0.4A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 4M | KTA7-25S-0.63A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 5M | KTA7-25S-1A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 6M | KTA7-25S-1.6A | CA8-09 | 65 | 65 | 47 | ~ | 65 | 65 | 47 | ~ | ~ | ~ |
| 7M | KTA7-25S-2.5A | CA8-09 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| 8M | KTA7-25S-4A | CA8-09 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| 9M | KTA7-25S-6.3A | CA8-09 | 65 | ~ | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 10M | KTA7-25S-10A | CA8-09 | 65 | ~ | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| -- | KTA7-25S-(2.5A...4A) | CA8-12 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| -- | KTA7-25S-6.3A | CA8-12 | 65 | ~ | ~ | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 11M | KTA7-25S-10A | CA8-09 | 65 | ~ | ~ | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 12M | KTA7-25S-16A | CA8-12 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |

| Rating Index | Assembly Components | | | Self-Protected Combination Motor Controller (Type E KAIC) ② | | |
|---|---------------------|------------------------|------------|---|-------------|-------------|
| | KT7 | Minimum Contactor Size | Overload | 208V-240V | 480Y / 277V | 600Y / 347V |
| KT B7 + CA7 + CEP7 UL Assemblies (CLT7 / CLU7) | | | | | | |
| 3B | KT B7-25S-0.4A | CA7-9 | CEP7-ED1AB | 65 | 65 | 47 |
| 3B | KT B7-25S-0.4A | CA7-9 | CEP7-EEAB | 65 | 65 | 47 |
| 5B | KT B7-25S-1A | CA7-9 | CEP7-ED1BB | 65 | 65 | 47 |
| 5B | KT B7-25S-1A | CA7-9 | CEP7-EEBB | 65 | 65 | 47 |
| 7B | KT B7-25S-2.5A | CA7-9 | CEP7-ED1CB | 65 | 65 | ~ |
| 7B | KT B7-25S-2.5A | CA7-9 | CEP7-EECB | 65 | 65 | ~ |
| 17B | KT B7-25H-2.5A | CA7-9 | CEP7-ED1CB | 65 | 65 | ~ |
| 17B | KT B7-25H-2.5A | CA7-9 | CEP7-EECB | 65 | 65 | ~ |
| 18B | KT B7-25H-2.5A | CA7-23 | CEP7-ED1CB | 65 | 65 | 30 |
| 18B | KT B7-25H-2.5A | CA7-23 | CEP7-EECB | 65 | 65 | 30 |
| 21B | KT B7-25H-4A | CA7-23 | CEP7-ED1CB | 65 | 65 | 30 |
| 21B | KT B7-25H-4A | CA7-23 | CEP7-EECB | 65 | 65 | 30 |
| 27B | KT B7-25H-10A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 30B | KT B7-25H-16A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 34B | KT B7-25H-25A | CA7-30 | CEP7-EEED | 65 | 65 | ~ |
| 39B | KT B7-45H-25A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 41B | KT B7-45H-32A | CA7-30 | CEP7-EEFD | 65 | 65 | 30 |
| 42B | KT B7-45H-32A | CA7-37 | CEP7-EEFD | 65 | 65 | 30 |
| 45B | KT B7-45H-45A | CA7-37 | CEP7-EEFD | 65 | 65 | ~ |
| 46B | KT B7-45H-45A | CA7-43 | CEP7-EEFD | 65 | 65 | ~ |

Definition of Type 2 short-circuit coordination per UL508

- The contactor or starter must not endanger persons or plant in the event of a short-circuit.
- The contactor or starter must be suitable for continuous use.
- No damage to the overload relay or other parts may occur with the exception of welding of the contactor or starter contacts if these can be easily separated without appreciable deformation (such as with a screwdriver).

In the event of a short-circuit, fast-opening, strong current-limiting KT7 motor protectors make it possible to build economical, fully short-circuit coordinated starter combinations in accordance with UL508E, Type 2 coordination.

Gray type indicates non-cataloged assembly. Contact your Sprecher+ Schuh representative for information.

① The ratings in these tables assume connection between components are made with Sprecher + Schuh Connection Modules. Engineering Practice allows wire connection as an alternative.

② UL approved, File 125316.

KT7 Assembly – IEC Application Rating Chart (Ratings are dependent on type of application) ①

| Rating Index | Assembly Components | | IEC kW Ratings for Standard Motors, 1500 rpm Max. kW, 50Hz ② | | | | Max. Short-Circuit Current [kA] IEC Type 1 Coordination | | | | Max. Short-Circuit Current [kA] IEC Type 2 Coordination | | | |
|---|---------------------|----------------|---|------|------|------|--|------|------|------|--|------|------|------|
| | KT7 | Min. Contactor | 230V | 400V | 500V | 690V | 230V | 400V | 500V | 690V | 230V | 400V | 500V | 690V |
| KT7 + CA7 IEC Assemblies (CL7 / CLU7 / CK7 / CKU7) | | | | | | | | | | | | | | |
| 1 | KTA7-25S-0.16A | CA7-9 | ~ | ~ | 0.06 | 0.06 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 2 | KTA7-25S-0.25A | CA7-9 | 0.02 | 0.06 | 0.06 | 0.12 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 3 | KTA7-25S-0.4A | CA7-9 | 0.06 | 0.09 | 0.12 | 0.18 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 4 | KTA7-25S-0.63A | CA7-9 | 0.09 | 0.18 | 0.18 | 0.37 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 5 | KTA7-25S-1A | CA7-9 | 0.12 | 0.25 | 0.37 | 0.55 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 6 | KTA7-25S-1.6A | CA7-9 | 0.25 | 0.55 | 0.75 | 1.1 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| 7 | KTA7-25S-2.5A | CA7-9 | 0.55 | 0.75 | 1.1 | 1.8 | 100 | 65 | 50 | 8 | 65 | 50 | 50 | 8 |
| 8 | KTA7-25S-4A | CA7-9 | 0.75 | 1.5 | 2.2 | 3 | 100 | 50 | 50 | 8 | 50 | 50 | ~ | ~ |
| 9 | KTA7-25S-6.3A | CA7-9 | 1.5 | 2.2 | 3 | 4 | 100 | 50 | 50 | 4 | 50 | 50 | ~ | ~ |
| 10 | KTA7-25S-10A | CA7-9 | 2.2 | 4 | 4 | ~ | 100 | 65 | 50 | ~ | 50 | 50 | ~ | ~ |
| 11 | KTA7-25S-10A | CA7-12 | 2.2 | 4 | 5.5 | 5.5 | 100 | 65 | 50 | 4 | 50 | 50 | 50 | ~ |
| -- | KTA7-25S-10A | CA7-16 | 2.2 | 4 | 5.5 | 7.5 | 100 | 65 | 50 | 4 | 50 | 50 | 50 | ~ |
| 12 | KTA7-25S-16A | CA7-12 | 4 | 5.5 | ~ | ~ | 100 | 65 | ~ | ~ | 50 | 50 | ~ | ~ |
| -- | KTA7-25S-16A | CA7-16 | 4 | 7.5 | 7.5 | ~ | 100 | 50 | 10 | ~ | 50 | ~ | ~ | ~ |
| 14 | KTA7-25S-16A | CA7-23 | 4 | 7.5 | 10 | 10 | 100 | 50 | 10 | 3 | 50 | 50 | ~ | ~ |
| 15 | KTA7-25S-20A | CA7-23 | 4 | 10 | 11 | ~ | 50 | 15 | 6 | ~ | 15 | ~ | ~ | ~ |
| 16 | KTA7-25S-25A | CA7-23 | 6.3 | 11 | 13 | ~ | 50 | 15 | 6 | ~ | 15 | ~ | ~ | ~ |
| 17 | KTA7-25H-2.5A | CA7-9 | 0.55 | 0.75 | 1.1 | 1.8 | 100 | 100 | 50 | 10 | 100 | 100 | 50 | 10 |
| 18 | KTA7-25H-2.5A | CA7-23 | 0.55 | 0.75 | 1.1 | 1.8 | 100 | 100 | 50 | 10 | 100 | 100 | 50 | 10 |
| 19 | KTA7-25H-4A | CA7-9 | 0.75 | 1.5 | 2.2 | 3 | 100 | 100 | 50 | 10 | 100 | 100 | 50 | ~ |
| 21 | KTA7-25H-4A | CA7-23 | 0.75 | 1.5 | 2.2 | 3 | 100 | 100 | 50 | 50 | 100 | 100 | 50 | 50 |
| 22 | KTA7-25H-6.3A | CA7-9 | 1.5 | 2.2 | 3 | 4 | 100 | 100 | 50 | 50 | 100 | 100 | 50 | ~ |
| -- | KTA7-25H-10A | CA7-9 | 2.2 | 4 | 4 | ~ | 100 | 65 | 50 | ~ | 100 | 65 | ~ | ~ |
| 24 | KTA7-25H-10A | CA7-12 | 2.2 | 4 | 5.5 | 5.5 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | ~ |
| -- | KTA7-25H-10A | CA7-16 | 2.2 | 4 | 5.5 | 7.5 | 100 | 100 | 65 | 50 | 100 | 100 | 65 | 50 |
| -- | KTA7-25H-16A | CA7-12 | 4 | 5.5 | ~ | ~ | 100 | 65 | ~ | ~ | 65 | 65 | ~ | ~ |
| 28 | KTA7-25H-16A | CA7-16 | 4 | 7.5 | 7.5 | ~ | 100 | 65 | 50 | ~ | 65 | 65 | 50 | ~ |
| -- | KTA7-25H-16A | CA7-23 | 4 | 7.5 | 10 | 10 | 100 | 65 | 50 | 6 | 65 | 65 | 50 | ~ |
| 31 | KTA7-25H-20A | CA7-23 | 4 | 10 | 11 | ~ | 65 | 65 | 25 | ~ | 65 | 65 | 25 | ~ |
| 33 | KTA7-25H-25A | CA7-23 | 6.3 | 11 | 13 | ~ | 65 | 50 | 25 | ~ | 65 | 50 | 25 | ~ |
| KT7 + CA8 IEC Assemblies (CL8 / CLU8) | | | | | | | | | | | | | | |
| 1M | KTA7-25S-0.16A | CA8-09 | ~ | 0.02 | ~ | ~ | 100 | 65 | 65 | 65 | 65 | 65 | ~ | ~ |
| 2M | KTA7-25S-0.25A | CA8-09 | 0.02 | 0.06 | 0.06 | ~ | 100 | 65 | 65 | 65 | 65 | 65 | ~ | ~ |
| 3M | KTA7-25S-0.4A | CA8-09 | 0.06 | 0.09 | 0.12 | ~ | 100 | 65 | 65 | 65 | 65 | 65 | ~ | ~ |
| 4M | KTA7-25S-0.63A | CA8-09 | 0.09 | 0.18 | 0.18 | ~ | 100 | 65 | 65 | 65 | 65 | 65 | ~ | ~ |
| 5M | KTA7-25S-1A | CA8-09 | 0.12 | 0.25 | 0.37 | ~ | 100 | 65 | 65 | 65 | 65 | 65 | ~ | ~ |
| 6M | KTA7-25S-1.6A | CA8-09 | 0.25 | 0.55 | 0.75 | ~ | 100 | 65 | 65 | 10 | 65 | 65 | ~ | ~ |
| 7M | KTA7-25S-2.5A | CA8-09 | 0.55 | 0.75 | 1.1 | ~ | 100 | 65 | 65 | 8 | 65 | 65 | ~ | ~ |
| 8M | KTA7-25S-4A | CA8-09 | 0.75 | 1.5 | 2.2 | ~ | 100 | 65 | 65 | 8 | 50 | 50 | ~ | ~ |
| 9M | KTA7-25S-6.3A | CA8-09 | 1.5 | 2.2 | 2.2 | ~ | 100 | 65 | 65 | 4 | ~ | ~ | ~ | ~ |
| 10M | KTA7-25S-10A | CA8-09 | 2.2 | 4 | 4 | ~ | 100 | 65 | 65 | 4 | ~ | ~ | ~ | ~ |
| 11M | KTA7-25S-10A | CA8-12 | 2.2 | 4 | 4 | ~ | 100 | 65 | 65 | 4 | ~ | ~ | ~ | ~ |
| 12M | KTA7-25S-16A | CA8-12 | 4 | 5.5 | ~ | ~ | 100 | 50 | 50 | 3 | ~ | ~ | ~ | ~ |

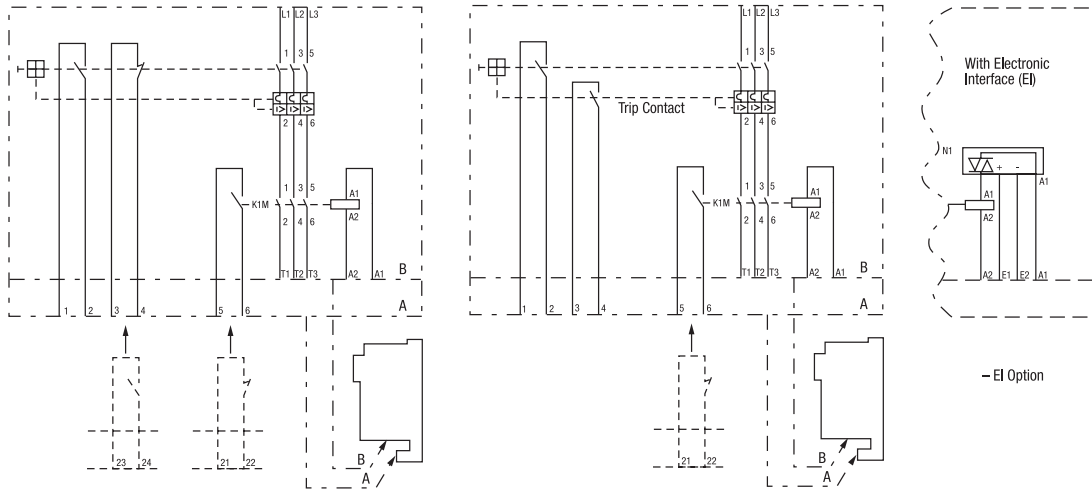
Gray type indicates non-cataloged assembly. Contact your Sprecher+ Schuh representative for information.

① The ratings in these tables assume connection between components are made with Sprecher + Schuh Connection Modules. Engineering Practice allows wire connection as an alternative.

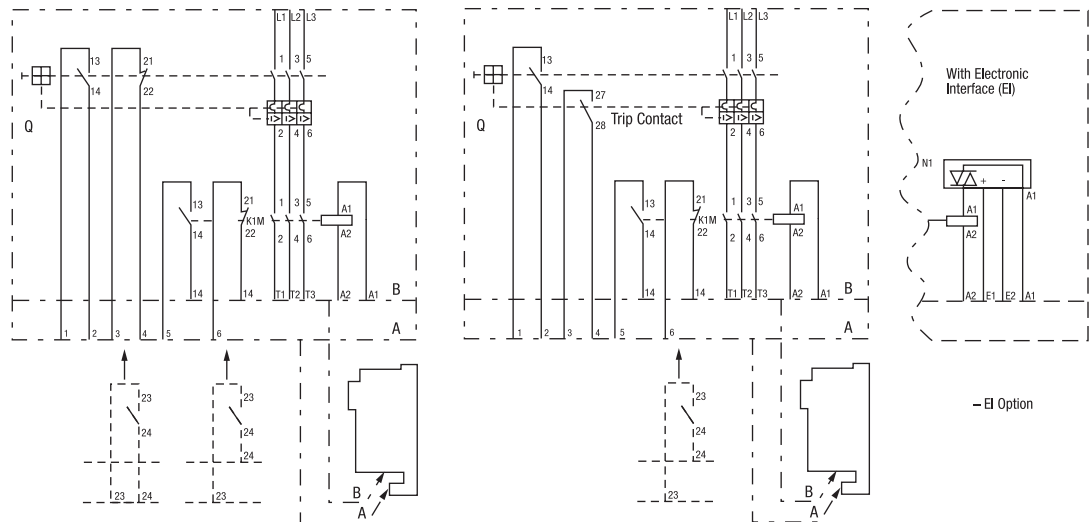
② kW ratings shown in the table are for reference. Final selection of the starter depends upon the actual motor full-load current and service factor.

EcomboPlus Combination Starters

CK7-9...23



CK7-30...43



F
Ecombo Circuit Controllers

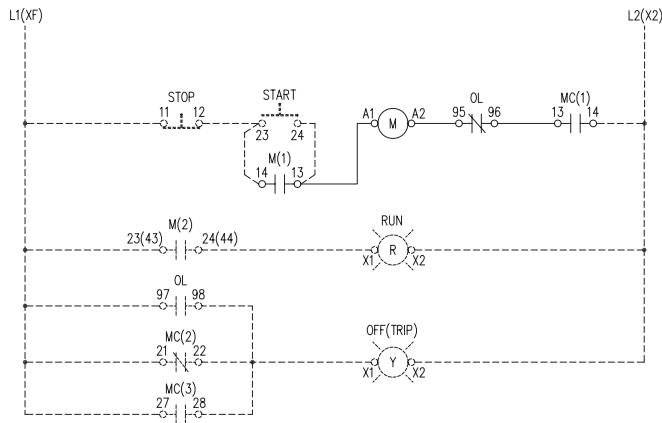
3-Component ECombo Starters

CLT7-9...43 Typical Diagram

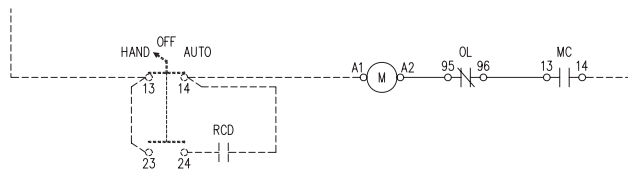
CUSTOMER TO SUPPLY PROPER BRANCH CIRCUIT PROTECTION AS PER LOCAL CODES. (USE 75°C COPPER WIRE ONLY)

FACTORY WIRING ———
FIELD WIRING - - - - -

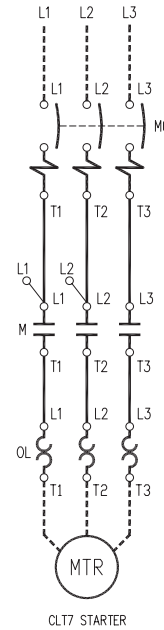
OPTIONS
-S10 M(2) 23-24, 43-44
-A11 MC(1) 13-14, MC(2) 21-22
-T10A10 MC(1) 13-14, MC(3) 27-28



TYPICAL SCHEMATIC USING START-STOP PUSHBUTTONS



TYPICAL SCHEMATIC USING HAND-OFF-AUTO SWITCH



CLT7 STARTER

NOTES:

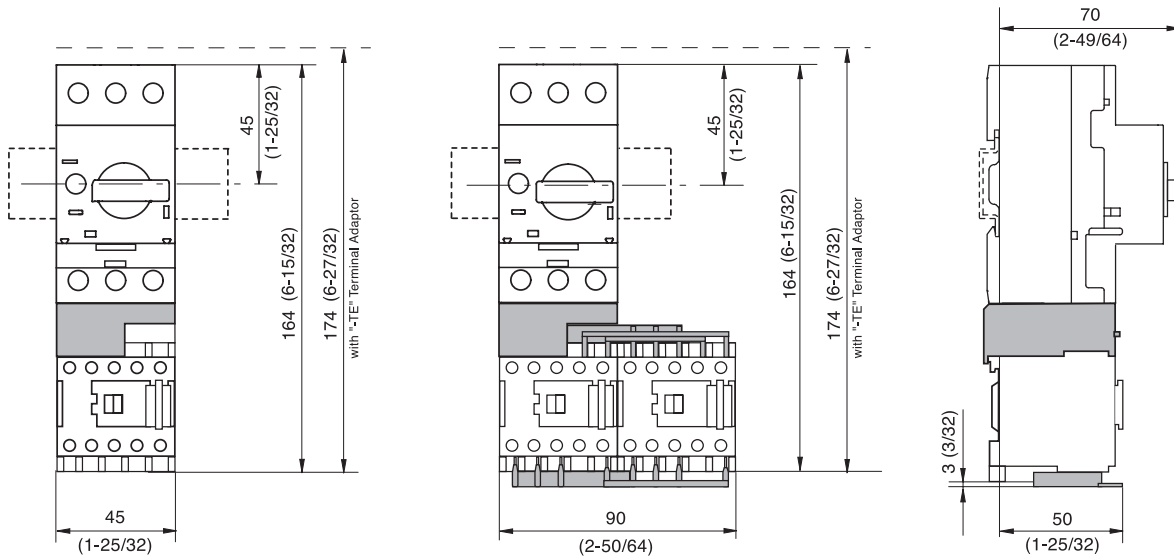
- 1) RCD: STANDS FOR REMOTE CONTROL DEVICE BY CUSTOMER.
- 2) MC: KTB7 MOTOR CONTROLLER.

F ECombo Circuit Controllers

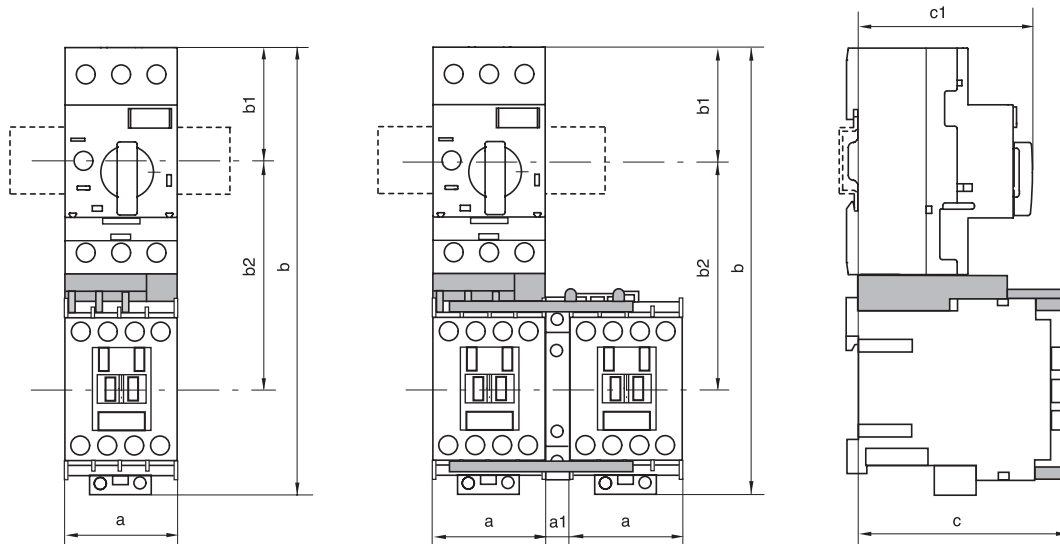
Ecombo Combination Starters

CL8 and CLU8 Ecombo Starters with KT7-25S

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



CL7-9...23(E) and CLU7-9...23(E) Ecombo Starters with KT7-25S



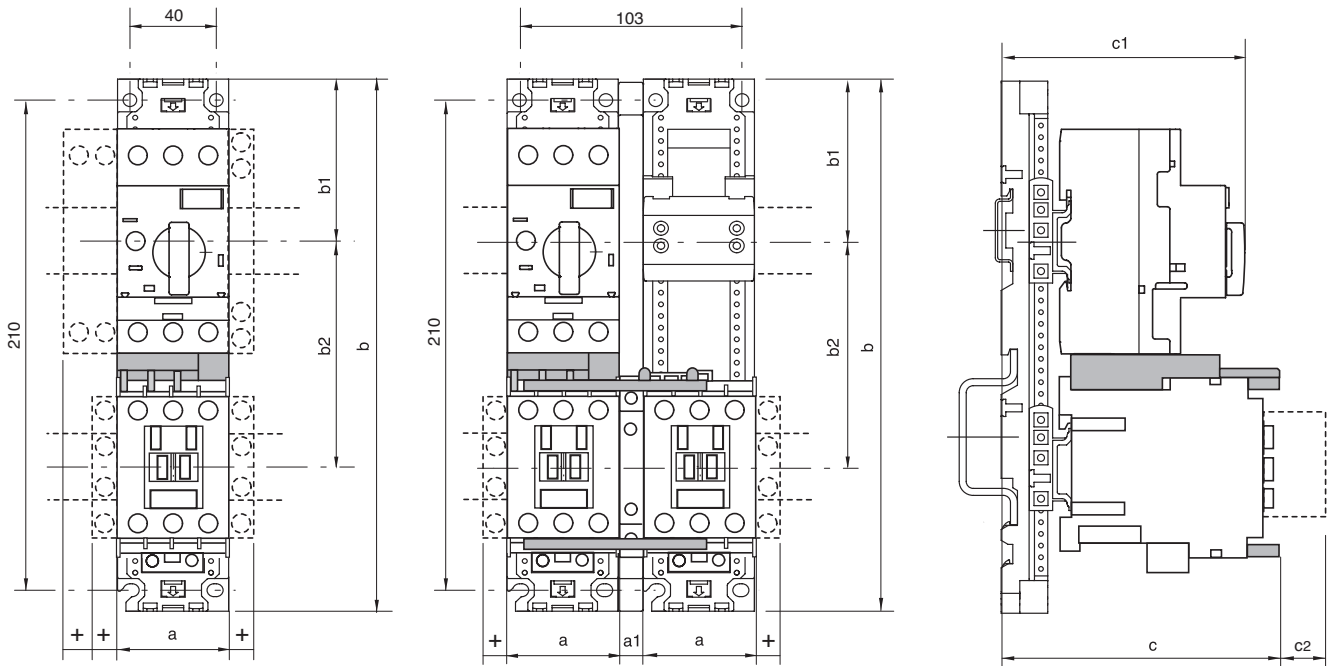
| Catalog Number ❶ | a | a1 | b | b1 | b2 | c | c1 |
|---|--------------|------------|---------------|--------------|----|----------------|--------------|
| CL7-9(E)...CL7-23(E) | 45 (1-25/32) | 0 | 178 (7) | 45 (1-25/32) | ~ | 83.5 (3-19/64) | 70 (2-49/64) |
| CL7-9(E)...CL7-23(E) with -TE1 Terminal Adaptor | 45 (1-25/32) | 0 | 188 (7-13/32) | 55 (2-5/32) | ~ | 83.5 (3-19/64) | 70 (2-49/64) |
| CLU7-9(E)...CLU7-23(E) | 45 (1-25/32) | 10 (25/64) | 178 (7) | 45 (1-25/32) | ~ | 83.5 (3-19/64) | 70 (2-49/64) |
| CLU7-9(E)...CLU7-23(E) with -TE1 Terminal Adaptor | 45 (1-25/32) | 10 (25/64) | 188 (7-13/32) | 55 (2-5/32) | ~ | 83.5 (3-19/64) | 70 (2-49/64) |

❶ Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Ecombo Combination Starters

CL7-30...43(E) and CLU7-30...43(E) Ecombo Starters with KT7-45H

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



| Catalog Number ①② | a | a1 | b | b1 | b2 | c | c1 | c2 | + |
|-------------------|------------|----|------------|-----------|------------|--------------|--------------|-----------|---|
| CL7-30(E) | 54 (2.125) | ~ | 228 (8.97) | 69 (2.72) | 105 (4.30) | 122.5 (4.82) | 134.5 (5.29) | ~ | 9 |
| CL7-37(E) | 54 (2.125) | ~ | 228 (8.97) | 69 (2.72) | 105 (4.30) | 122.5 (4.82) | 134.5 (5.29) | ~ | 9 |
| CL7-43(E) | 54 (2.125) | ~ | 228 (8.97) | 69 (2.72) | 105 (4.30) | 136 (5.35) | 137 (5.39) | 31 (1.22) | 9 |
| CLU7-30(E) | 54 (2.125) | 9 | 228 (8.97) | 69 (2.72) | 105 (4.30) | 122.5 (4.82) | 134.5 (5.29) | ~ | 9 |
| CLU7-37(E) | 54 (2.125) | 9 | 228 (8.97) | 69 (2.72) | 105 (4.30) | 122.5 (4.82) | 134.5 (5.29) | ~ | 9 |
| CLU7-43(E) | 54 (2.125) | 9 | 228 (8.97) | 69 (2.72) | 105 (4.30) | 136 (5.35) | 137 (5.39) | 31 (1.22) | 9 |

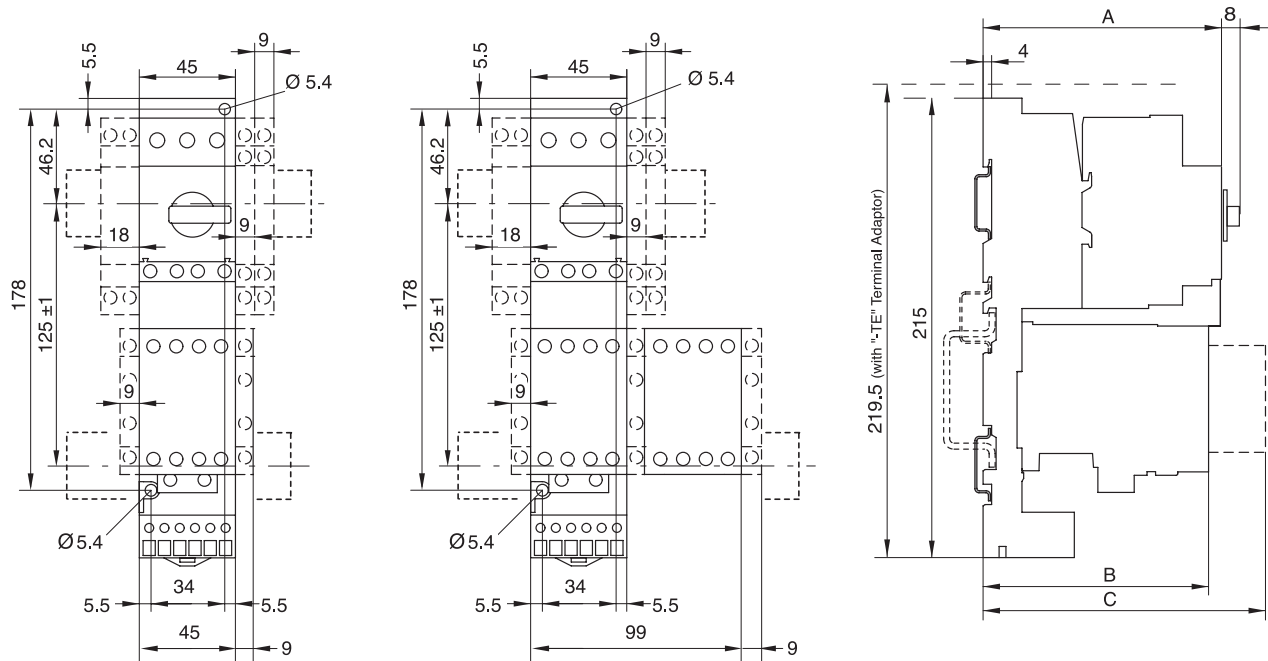
① CL7-30...43(E) and CLU7-30...43(E) include W-32490 Mounting Module. CLU7 includes W-32955 Spacer.

② Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V... 250V Electronic DC coils. See page A86 for details.

EcomboPlus Combination Starters

CK7-9...23 and CKU7-9...23 EcomboPlus Starters

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



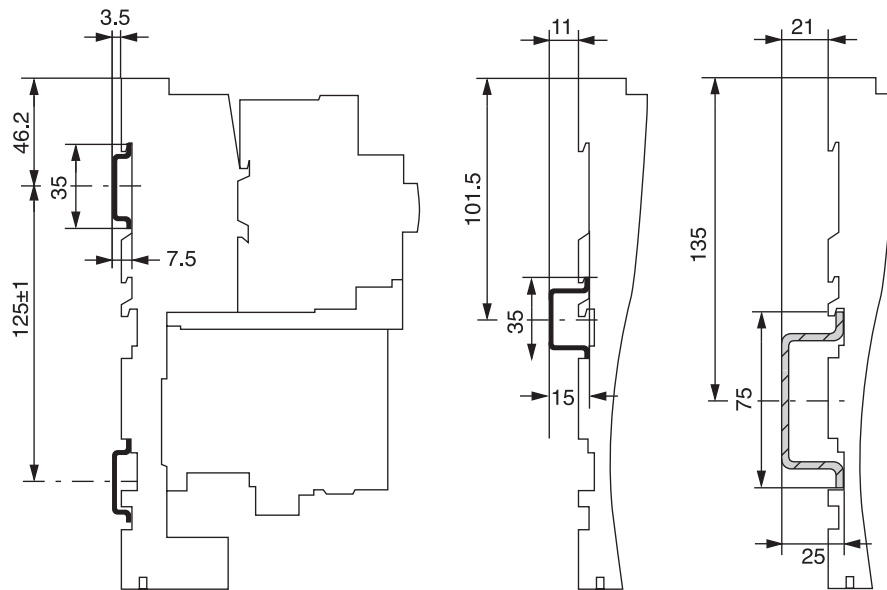
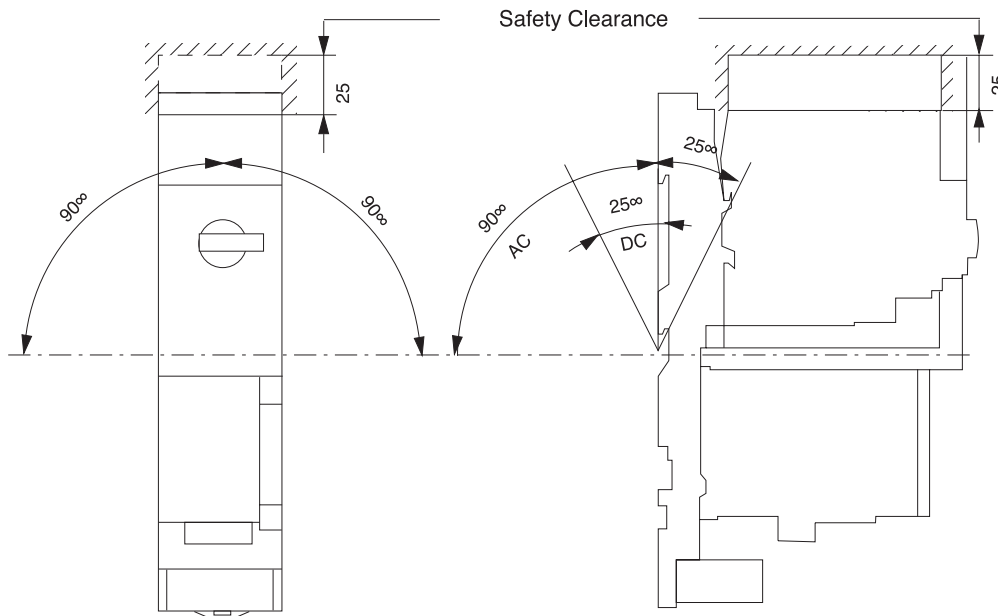
| | | A (mm) | | B (mm) | | C (mm) | |
|---------------------------|---------|--------|-----|--------------------------------------|--|--------|--|
| Direct on-line starters ① | | | | | | | |
| CK7-9(E) | KT7-25S | 112 | 107 | CA7-PV, CS7-PV CZE-7, CZA7 CV7 | | 138 | |
| CK7-12(E) | | | | | | 157 | |
| CK7-16(E) | | | | | | 160 | |
| CK7-23(E) | 160 | | | | | | |
| Reversing Starters | | | | | | | |
| CKU7-9 | KT7-25S | 112 | 107 | CA7-PV, CS7-PV CZE7, CZA7 CV7 | | 138 | |
| CKU7-12 | | | | | | 157 | |
| CKU7-16 | | | | | | 160 | |
| CKU7-23 | 160 | | | | | | |

① Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

EcomboPlus Combination Starters

CK7-9...23

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



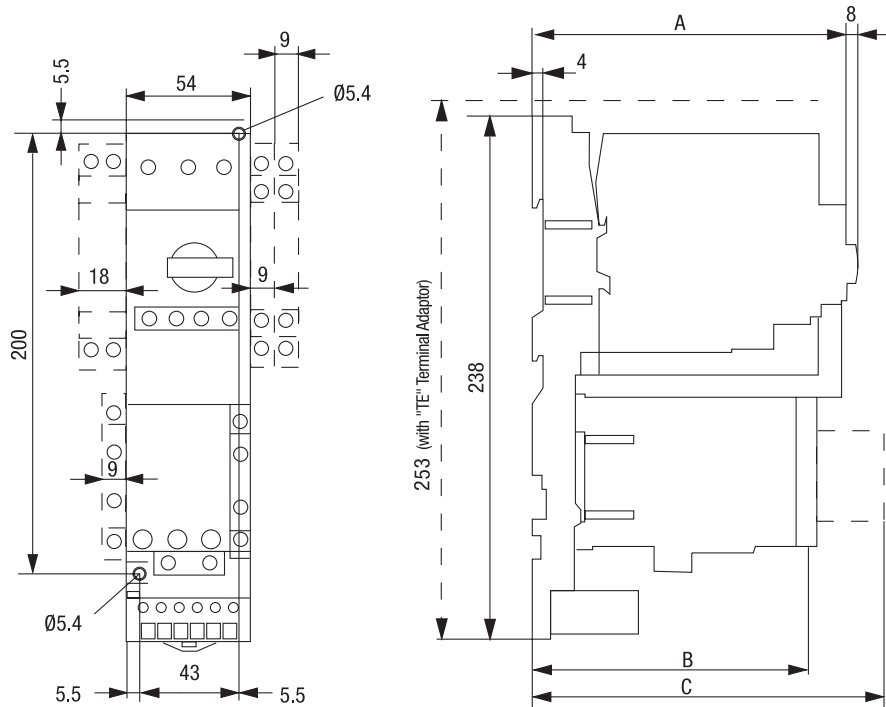
F

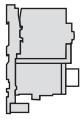


Ecombo Circuit Controllers

EcomboPlus Combination Starters

CK7-30...37

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



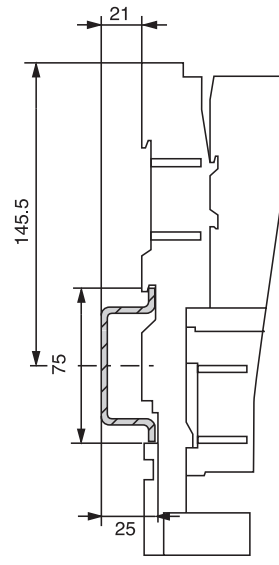
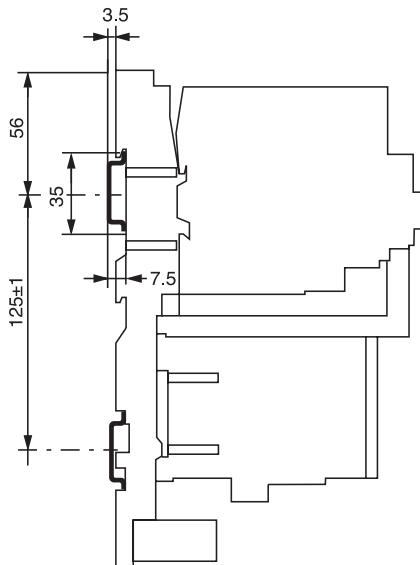
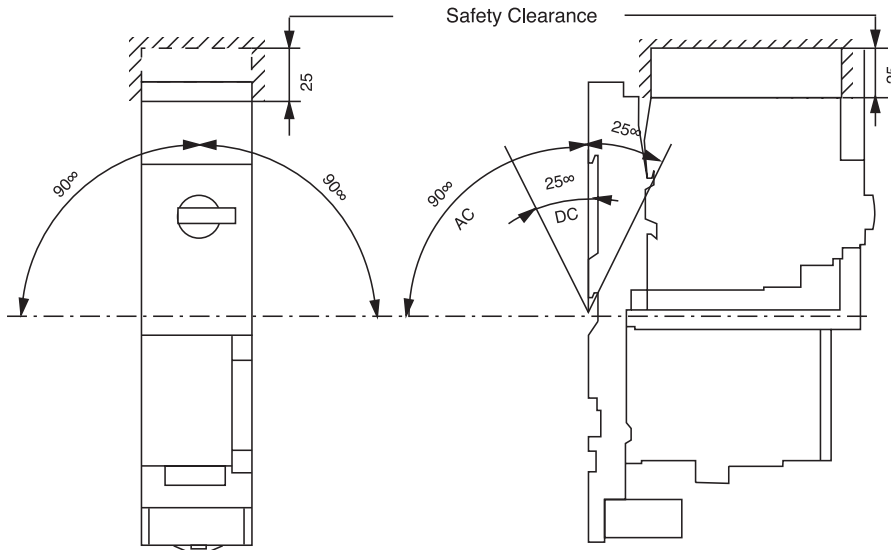
|  |  | A (mm) | B (mm) |  | C (mm) |
|---|---|--------|--------|--|--------|
| CK7-30(E) ① | KT7-45H | 135 | 124 | CA7-PV | 154.5 |
| CK7-37(E) ① | | | | CZE7 | 173.5 |
| | | | | CV7 | 176.5 |

① Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

EcomboPlus Combination Starters

CK7-43

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



See previous page for dimensions A , B & C locations

| | | A (mm) | B (mm) |
|--|--|--------|--------|
| | | 135 | 118.5 |

| | C (mm) |
|--|--------|
| | 157 |
| | 176 |
| | 179 |

• Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Non-Reversing Three Component Combination Starters ③

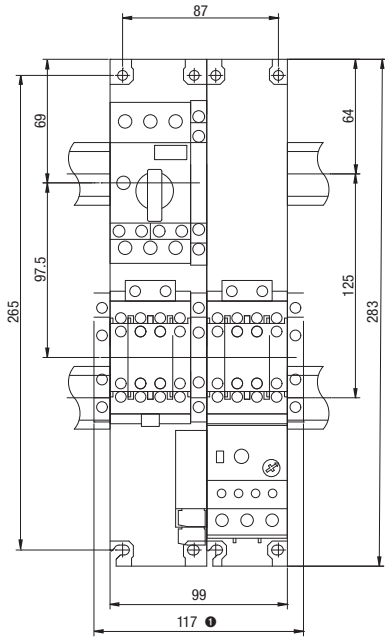
| KTB7-25S + CA7-9...23 + CEP7-ED1/EE | KTB7-25H + CA7-30...37 + CEP7-EE |
|-------------------------------------|----------------------------------|
| | |
| KTB7-45H + CA7-30...37 + CEP7-EE | KTB7-45H + CA7-43 + CEP7-EE |
| | |

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.

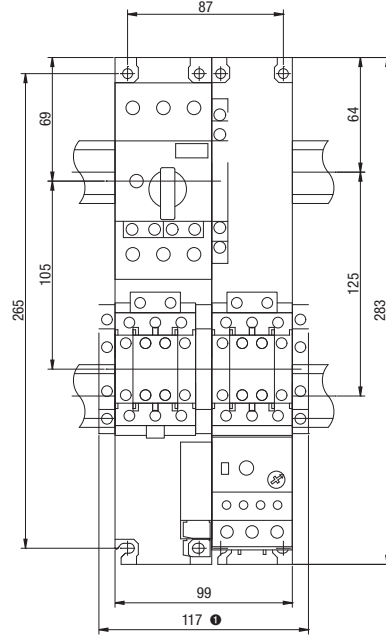
- ① With additional side mount auxiliary or trip contact(s)
- ② With CEP7-E* Side Mount Modules
- ③ Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Reversing Three Component Combination Starters ②

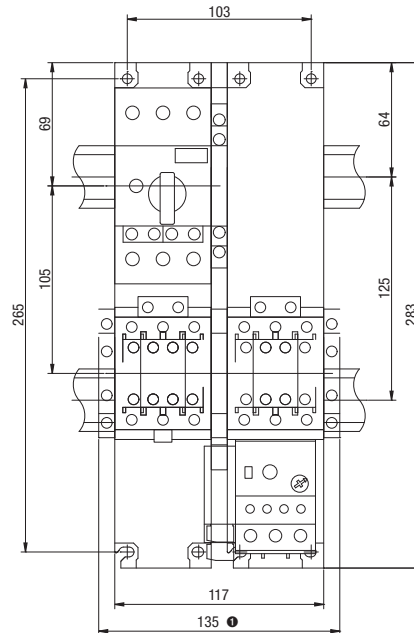
KTB7-25S + CAU7-9...37 + CEP7-ED1/EE



KTB7-45H + CA7-30...37 + CEP7-EE



KTB7-45H + CA7-43 + CEP7-EE



Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.

- ① With additional side mount auxiliary contact(s)
- ② Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

