

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 | Contactors ② | 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...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 2 | KTA7-25S-0.25A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 3 | KTA7-25S-0.4A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 4 | KTA7-25S-0.63A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 5 | KTA7-25S-1.0A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 6 | KTA7-25S-1.6A | CA7-9...23 | 65 | 65 | 47 | 47 | 65 | 65 | 47 | 47 | 65 | 47 |
| 7 | KTA7-25S-2.5A | CA7-9...23 | 65 | 65 | 30 | 10 | 65 | 65 | 30 | 10 | 65 | ~ |
| 8 | KTA7-25S-4.0A | CA7-9...23 | 65 | 50 | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| -- | KTA7-25S-4.0A | CA7-23 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| 9 | KTA7-25S-6.3A | CA7-9...23 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 11 | KTA7-25S-10A | CA7-12...23 | 65 | 50 | 30 | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 12 | KTA7-25S-16A | CA7-12...43 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |
| 14 | KTA7-25S-16A | CA7-23 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |
| 15 | KTA7-25S-20A | CA7-23 | 30 | ~ | 30 | ~ | 10 | ~ | ~ | ~ | ~ | ~ |
| 16 | KTA7-25S-25A | CA7-23 | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 17 | KTA7-25H-2.5A | CA7-9 | 65 | 65 | 30 | 10 | 65 | 65 | 30 | 10 | 65 | ~ |
| 18 | KTA7-25H-2.5A | CA7-23 | 65 | 65 | 30 | 30 | 65 | 65 | 30 | 30 | 65 | 30 |
| 19 | KTA7-25H-4.0A | CA7-9 | 65 | 65 | 30 | ~ | 65 | 65 | 30 | ~ | ~ | ~ |
| 21 | KTA7-25H-4.0A | CA7-23 | 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 | CA7-12 | 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 | CA7-16 | 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 | ~ |
| 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.
- ② Ratings apply to specified or larger contactor.

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

| 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 | Contactors ❷ | 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 + CA8 UL Assemblies (CL8 / CLU8) | | | | | | | | | | | | |
| -- | KTA7-25S-(0.16A...1.0A) | CA8-05 | 65 | 65 | 47 | ~ | 65 | ~ | 47 | ~ | ~ | ~ |
| -- | KTA7-25S-1.6A | CA8-05 | 65 | ~ | 47 | ~ | 65 | ~ | 47 | ~ | ~ | ~ |
| -- | KTA7-25S-(2.5A...4.0A) | 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-1.0A | 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-4.0A | 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...4.0A) | CA8-12 | 65 | ~ | 30 | ~ | 65 | ~ | 30 | ~ | ~ | ~ |
| -- | KTA7-25S-6.3A | CA8-12 | 65 | ~ | ~ | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 11M | KTA7-25S-10A | CA8-12 | 65 | ~ | ~ | ~ | 65 | ~ | ~ | ~ | ~ | ~ |
| 12M | KTA7-25S-16A | CA8-12 | 30 | ~ | 30 | ~ | 30 | ~ | ~ | ~ | ~ | ~ |

| Rating Index | Assembly Components | | | Self-Protected Combination Motor Controller (Type E KAIC) ❸ | | |
|------------------------------------------------------|---------------------|--------------|------------|-------------------------------------------------------------|-------------|-------------|
| | KT7 | Contactors ❷ | Overload | 208V-240V | 480Y / 277V | 600Y / 347V |
| KT7 + CA7 + CEP7 UL Assemblies (CLT7 / CLUT7) | | | | | | |
| 3B | KT7-25S-0.4A | CA7-9 | CEP7-ED1AB | 65 | 65 | 47 |
| 3B | KT7-25S-0.4A | CA7-9 | CEP7-EEAB | 65 | 65 | 47 |
| 5B | KT7-25S-1.0A | CA7-9 | CEP7-ED1BB | 65 | 65 | 47 |
| 5B | KT7-25S-1.0A | CA7-9 | CEP7-EEBB | 65 | 65 | 47 |
| 7B | KT7-25S-2.5A | CA7-9 | CEP7-ED1CB | 65 | 65 | ~ |
| 7B | KT7-25S-2.5A | CA7-9 | CEP7-EECB | 65 | 65 | ~ |
| 17B | KT7-25H-2.5A | CA7-9 | CEP7-ED1CB | 65 | 65 | ~ |
| 17B | KT7-25H-2.5A | CA7-9 | CEP7-EECB | 65 | 65 | ~ |
| 18B | KT7-25H-2.5A | CA7-23 | CEP7-ED1CB | 65 | 65 | 30 |
| 18B | KT7-25H-2.5A | CA7-23 | CEP7-EECB | 65 | 65 | 30 |
| 21B | KT7-25H-4.0A | CA7-23 | CEP7-ED1CB | 65 | 65 | 30 |
| 21B | KT7-25H-4.0A | CA7-23 | CEP7-EECB | 65 | 65 | 30 |
| 27B | KT7-25H-10A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 30B | KT7-25H-16A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 34B | KT7-25H-25A | CA7-30 | CEP7-EEED | 65 | 65 | ~ |
| 39B | KT7-45H-25A | CA7-30 | CEP7-EEED | 65 | 65 | 30 |
| 41B | KT7-45H-32A | CA7-30 | CEP7-EEFD | 65 | 65 | 30 |
| 42B | KT7-45H-32A | CA7-37 | CEP7-EEFD | 65 | 65 | 30 |
| 45B | KT7-45H-45A | CA7-37 | CEP7-EEFD | 65 | 65 | ~ |
| 46B | KT7-45H-45A | CA7-43 | CEP7-EEFD | 65 | 65 | ~ |

Definition of Type 2 short-circuit coordination per UL508E

- 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.

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

❷ Ratings apply to specified or larger contactor.
❸ UL approved, File 125316.