## **SIEMENS**

## Data sheet US2:LCE01C408600A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 4 N.C. / 8 N.O. poles, 575-600V 60Hz/550V 50Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

Figure similar

| product brand name  | Class LC  |
|---|---|
| design of the product   | Electrically held lighting contactor (convertible to mechanically held)                       |
| special product feature   | Electrically held convertible to mechanically held; Power poles convertible between NO and NC |
| General technical data  |   |
| weight [lb]   | 12 lb   |
| Height x Width x Depth [in]   | 14 × 8 × 7 in   |
| touch protection against electrical shock                               | NA for enclosed products  |
| installation altitude [ft] at height above sea level maximum            | 6560 ft   |
| ambient temperature [°F]  |   |
| <ul> <li>during storage</li> </ul>                                      | -22 +149 °F   |
| <ul> <li>during operation</li> </ul>                                    | -13 +104 °F   |
| ambient temperature   |   |
| during storage  | -30 +65 °C  |
| <ul> <li>during operation</li> </ul>                                    | -25 +40 °C  |
| country of origin   | USA   |
| Contactor   |   |
| size of contactor   | 30 Amp  |
| number of NO contacts for main contacts                                 | 8   |
| number of NC contacts for main contacts                                 | 4   |
| operating voltage for main current circuit at AC at 60 Hz maximum       | 600 V   |
| Type of main contacts   | Silver alloy, double break  |
| mechanical service life (switching cycles) of the main contacts typical | 100000  |
| contact rating of the main contacts of lighting contactor               |   |
| <ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>        | 20A @277V 1p 1ph  |
| <ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>       | 20A @480V 2p 1ph  |
| • at tungsten (3 poles per 3 phases) rated value                        | 20A @480V 3p 3ph  |
| <ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>         | 30A @347V 1p 1ph  |
| <ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>        | 30A @600V 2p 1ph  |
| <ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>       | 30A @600V 3p 3ph  |
| • at resistive load (1 pole per 1 phase) rated value                    | 30A @600V 1p 1ph  |
| • at resistive load (2 poles per 1 phase) rated value                   | 30A @600V 2p 1ph  |
| • at resistive load (3 poles per 3 phases) rated value                  | 30A @600V 3p 3ph  |
| Auxiliary contact   |   |
| number of NC contacts for auxiliary contacts                            | 0   |
| number of NO contacts for auxiliary contacts                            | 0   |
| number of total auxiliary contacts maximum                              | 4   |

| to UL  Coil  Operation Supply voltage of the control supply voltage  • at AC at 50 Hz rated value  spapearent pick-up power of magnet coil at AC  papearent pick-up power pick-up pi                          | contact rating of auxiliary contacts of contactor according | NA                                 |
|---|---|------------------------------------|
| type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 50 Hz rated value  550 V  \$41 AC at 60 Hz rated value  \$550 V  \$48 VA  \$48 VA  \$49 paperent pick-up power of magnet coil at AC  \$48 VA  \$49 paperent pick-up power of magnet coil at AC  \$48 VA  \$49 paperent pick-up power of magnet coil at AC  \$48 VA  \$49 paperent pick-up power of magnet coil at AC  \$48 VA  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control supply voltage rated value  \$40 perating range factor control rangely voltage rated value  \$40 perating range factor control for supply voltage range | ·   |                                    |
| control supply voltage  at AC at 50 Hz rated value  550 V  apparent pick-up power of magnet coil at AC  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil between the holding power of magnet coil at AC  apparent holding power of magnet coil between the holding power of holding powe                          | Coil  |                                    |
| at AC at 60 Hz rated value apparent plck-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil  Enclosure degree of protection NEMA rating of the enclosure degree of protection of the housing  Mounting/wiring  Mounting/wiring  Mounting/wiring  Mounting/wiring  Mounting/wiring  Wertical fastening method Surface mounting and installation Sorew-type terminals Surface mounting and installation Sorew-type terminals Star-ac May Grand-starlanded To Sorew-type terminals Sorew-typ                           | type of voltage of the control supply voltage               | AC                                 |
| apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil apparent pick-up power of pick-up p                           | control supply voltage                                      |                                    |
| apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC as VA operating range factor control supply voltage rated value of magnet coil  Enclosure  degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure NEMA Type 1 indoors, usable on a general basis  Mounting/viring mounting position  fastening method Surface mounting and installation type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of onnectable conductor cross-sections at line-side at AWC cables single or multi-stranded temperature of the conductor for supply type of connectable conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible  The conductor of supple to the conductor of the conductor o                          | <ul> <li>at AC at 50 Hz rated value</li> </ul>              | 550 V                              |
| apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil  Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position Tastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor for supply Type of connectable conductor for load-side outgoing feeder Type of electrical connectable conductor for load-side outgoing feeder Type of electrical connection for load-side outgoing feeder maximum permissible Type of electrical connection of magnet coil Type of connectable conductor for load-side outgoing feeder Type of electrical connectable conductor of load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical connectable conductor or load-side outgoing feeder Type of electrical or encetable conductor or load-side outgoing feeder Type of electrical or encetable conductor or load-side outgoing feeder Type of electri                          | <ul> <li>at AC at 60 Hz rated value</li> </ul>              | 575 600 V                          |
| operating range factor control supply voltage rated value of magnet coil  Enclosure  degree of protection NEMA rating of the enclosure  design of the housing  mounting position  fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  yost oconnectable conductor cross-sections at line-side at AWC cables single or multi-stranded  tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder stype of connectable conductor cross-sections at NGC cables for load-side outgoing feeder surfamed  temperature of the conductor for supply  CU type of electrical connection for load-side outgoing feeder stightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder stype of connectable conductor rorse-sections at AWG cables for load-side outgoing feeder maximum permissible  temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil stype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil stype of connectable conductor at magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cup temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cup temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cup temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cup temperature of the conductor at magnet coil max                          | apparent pick-up power of magnet coil at AC                 | 248 VA                             |
| of magnet coil  Enclosure  degree of protection NEMA rating of the enclosure  design of the housing  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [bir in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for load-side outgoing feeder type of connectable conductor for supply  type of connectable conductor for supply  type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder stranded  temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder Type of electrical connection of magnet coil at AWG cables single or multi-stranded  temperature of the conductor for load-side outgoing feeder Type of electrical connection of magnet coil stiphtening torque [bir in] at magnet coil stype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  material of the sonductor at magnet coil maximum permissible  for the sond critical type of the sond critical type of the sond criti                          | apparent holding power of magnet coil at AC                 | 28 VA                              |
| degree of protection NEMA rating of the enclosure design of the housing    Mounting/wiring   Indoors, usable on a general basis   |   | 0.85 1.1                           |
| design of the housing indoors, usable on a general basis indoors. In the asserting indoors, usable on a general basis indoors. In the asserting indoors, usable on a general basis indoors. In the asserting indoors, usable on a general basis indoors. In the asserting indoors, usable on a general basis indoors. In the asserting indoors, in the usable indoors in the same indoors, usable indoors, usable indoors, usable indoors, and in the same indoors, usable indoors, and in the same indoors, usable indoors, usable indoors, usable indoors, usable indoors, and in the same indoors, usable indoors, usabl                          | Enclosure   |                                    |
| mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at Nore temperature of the conductor for supply  CU type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at Nore temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor of sonductor sond                              | degree of protection NEMA rating of the enclosure           | NEMA Type 1                        |
| mounting position  fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum tightening torque [lbf·in] for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder type of electrical connector for load-side outgoing feeder type of electrical connecton of magnet coil type of electrical connection of magnet coil type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  To C  Screw-type terminals  2x (14 8 AWG)   | design of the housing                                       | indoors, usable on a general basis |
| fastening method type of electrical connection for supply voltage line-side tightening torque [libf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder lype of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals to the conductor of to load-side outgoing feeder type of electrical connectable conductor or magnet coil screw-type terminals to the conductor of                          | Mounting/wiring   |                                    |
| fastening method type of electrical connection for supply voltage line-side tightening torque [libf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder lype of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals to the conductor of to load-side outgoing feeder type of electrical connectable conductor or magnet coil screw-type terminals to the conductor of                          |   | Vertical                           |
| type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in 2x (14 8 AWG) at 4WG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder waximum permissible material of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder as 5 35 lbf-in 35 l                                      | fastening method  | Surface mounting and installation  |
| tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder tightening torque [lbf-in] at magnet coil type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cu  Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker   |   |                                    |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible  material of the conductor for supply CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder maximum permissible conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil temperature of the conductor at magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the fuse link for short-circuit protection of the main circuit required design of the fuse link for short-circuit trip threaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 480 V  • at 65 kA  • at 600 V   |   | **                                 |
| temperature of the conductor for supply maximum permissible  material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [libf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [libf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil material of the conductor at magnet coil cu  Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip breaking capacity maximum short-circuit current (Icu) at 24 kA at 480 V at 480 V at 480 V at 65 kA at 600 V  | type of connectable conductor cross-sections at line-side   | 2x (14 8 AWG)                      |
| type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder sirgle or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU  Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 480 V • at 600 V   | temperature of the conductor for supply maximum             | 75 °C                              |
| tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible  material of the sonductor at magnet coil  type of connectable conductor at magnet coil  to type of connectable conductor at magnet coil  to type of connectable conductor of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  To °C  CU  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 480 V  • at 600 V   | material of the conductor for supply                        | CU                                 |
| tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible  material of the sonductor at magnet coil  type of connectable conductor at magnet coil  to type of connectable conductor at magnet coil  to type of connectable conductor of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  To °C  CU  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 480 V  • at 600 V   | type of electrical connection for load-side outgoing feeder | Screw-type terminals               |
| cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  25 kA  | tightening torque [lbf·in] for load-side outgoing feeder    | 35 35 lbf·in                       |
| maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil  CU  Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 600 V  2CU  CU  Strew-type terminals  15 15 lbf-in  2x (18 14 AWG)  75 °C  CU  CU  Thermal magnetic circuit protection of the magnet coil maximum protection of the magnetic circuit breaker  Thermal magnetic circuit breaker  | cables for load-side outgoing feeder single or multi-       | 2x (14 8 AWG)                      |
| type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (lcu)  • at 240 V  • at 480 V  • at 600 V  Screw-type terminals  Screw-type terminals  15 15 lbf-in  2x (18 14 AWG)  CU  CU  CU  Thermal magnetic circuit protection of the main circuit protection of the main circuit breaker  Thermal magnetic circuit breaker  |   | 75 °C                              |
| tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  CU  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (lcu)  • at 240 V  • at 480 V  • at 600 V  15 15 lbf·in  2x (18 14 AWG)  CU  CU  Thermal magnetic circuit protection of the magnet coil  100kA@600V (Class R or J 40A max)  Thermal magnetic circuit breaker   | material of the conductor for load-side outgoing feeder     | CU                                 |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  2x (18 14 AWG)  2x (18 14 AWG)  TO  TO  TO  TO  Thermal magnetic circuit breaker   | type of electrical connection of magnet coil                | Screw-type terminals               |
| coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 650 KA • at 600 V  Thermal magnetic circuit breaker  | tightening torque [lbf·in] at magnet coil                   | 15 15 lbf·in                       |
| permissible  material of the conductor at magnet coil  CU  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  25 kA  |   | 2x (18 14 AWG)                     |
| Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  100kA@600V (Class R or J 40A max)  Thermal magnetic circuit breaker  24 kA  65 kA   |   | 75 °C                              |
| design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  100kA@600V (Class R or J 40A max)  Thermal magnetic circuit breaker  24 kA  65 kA  • at 600 V   | material of the conductor at magnet coil                    | CU                                 |
| main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  24 kA  65 kA  25 kA   | Short-circuit current rating                                |                                    |
| breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  24 kA  25 kA   |   | 100kA@600V (Class R or J 40A max)  |
| <ul> <li>at 240 V</li> <li>at 480 V</li> <li>at 600 V</li> <li>24 kA</li> <li>65 kA</li> <li>25 kA</li> </ul>   | design of the short-circuit trip                            | Thermal magnetic circuit breaker   |
| at 480 V     at 600 V     25 kA     4    4    4    4    4    4    4   | breaking capacity maximum short-circuit current (Icu)       |                                    |
| • at 600 V 25 kA  | • at 240 V  | 24 kA                              |
|   | • at 480 V  | 65 kA                              |
| certificate of suitability NEMA ICS 2; UL 508   | • at 600 V  | 25 kA                              |
|   | certificate of suitability                                  | NEMA ICS 2; UL 508                 |

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C408600A

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C408600A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:LCE01C408600A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C408600A/certificate

last modified: 1/25/2022 🖸