



Figure similar

Electrically held lighting contactor, Contactor amp rating 300A, 0 N.C. / 3 N.O. Poles, 110VAC 50HZ/120VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type 12, Dust/drip proof for indoors

|                                                                         |                                               |
|-------------------------------------------------------------------------|-----------------------------------------------|
| product brand name                                                      | Class LE                                      |
| design of the product                                                   | Electrically held lighting contactor          |
| special product feature                                                 | Compact design; Finger safe control terminals |
| <b>General technical data</b>                                           |                                               |
| weight [lb]                                                             | 113 lb                                        |
| Height x Width x Depth [in]                                             | 25 × 18 × 13 in                               |
| touch protection against electrical shock                               | NA for enclosed products                      |
| installation altitude [ft] at height above sea level maximum            | 6560 ft                                       |
| ambient temperature [°F]                                                |                                               |
| • during storage                                                        | -67 ... +176 °F                               |
| • during operation                                                      | 32 ... 104 °F                                 |
| ambient temperature                                                     |                                               |
| • during storage                                                        | -55 ... +80 °C                                |
| • during operation                                                      | 0 ... 40 °C                                   |
| country of origin                                                       | USA                                           |
| <b>Contactors</b>                                                       |                                               |
| size of contactor                                                       | 300 Amp                                       |
| number of NO contacts for main contacts                                 | 3                                             |
| number of NC contacts for main contacts                                 | 0                                             |
| operating voltage for main current circuit at AC at 60 Hz maximum       | 600 V                                         |
| mechanical service life (switching cycles) of the main contacts typical | 10000000                                      |
| contact rating of the main contacts of lighting contactor               |                                               |
| • at tungsten (1 pole per 1 phase) rated value                          | 300A @277V 1p 1ph                             |
| • at tungsten (2 poles per 1 phase) rated value                         | 300A @480V 2p 1ph                             |
| • at tungsten (3 poles per 3 phases) rated value                        | 300A @480V 3p 3ph                             |
| • at ballast (1 pole per 1 phase) rated value                           | 300A @277V 1p 1ph                             |
| • at ballast (2 poles per 1 phase) rated value                          | 300A @480V 2p 1ph                             |
| • at ballast (3 poles per 3 phases) rated value                         | 300A @480V 3p 3ph                             |
| • at resistive load (1 pole per 1 phase) rated value                    | 300A @600V 1p 1ph                             |
| • at resistive load (2 poles per 1 phase) rated value                   | 300A @600V 2p 1ph                             |
| • at resistive load (3 poles per 3 phases) rated value                  | 300A @600V 3p 3ph                             |
| <b>Auxiliary contact</b>                                                |                                               |
| number of NC contacts at contactor for auxiliary contacts               | 2                                             |
| number of NO contacts at contactor for auxiliary contacts               | 2                                             |
| number of total auxiliary contacts maximum                              | 4                                             |
| contact rating of auxiliary contacts of contactor according to UL       | A300 / Q300                                   |

| Coil                                                                                                                    |                                         |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| type of voltage of the control supply voltage                                                                           | AC/DC                                   |
| control supply voltage                                                                                                  |                                         |
| • at DC rated value                                                                                                     | 110 ... 127 V                           |
| • at AC at 50 Hz rated value                                                                                            | 110 ... 127 V                           |
| • at AC at 60 Hz rated value                                                                                            | 110 ... 127 V                           |
| apparent pick-up power of magnet coil at AC                                                                             | 590 VA                                  |
| apparent holding power of magnet coil at AC                                                                             | 6.7 VA                                  |
| operating range factor control supply voltage rated value of magnet coil                                                | 0.85 ... 1.1                            |
| Enclosure                                                                                                               |                                         |
| degree of protection NEMA rating of the enclosure                                                                       | NEMA 12 enclosure                       |
| design of the housing                                                                                                   | dustproof and drip-proof for indoor use |
| Mounting/wiring                                                                                                         |                                         |
| mounting position                                                                                                       | Vertical                                |
| fastening method                                                                                                        | Surface mounting and installation       |
| type of electrical connection for supply voltage line-side                                                              | Screw-type terminals                    |
| tightening torque [lbf-in] for supply                                                                                   | 180 ... 195 lbf-in                      |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded                        | 2x (2/0 AWG ... 500 MCM)                |
| temperature of the conductor for supply maximum permissible                                                             | 75 °C                                   |
| material of the conductor for supply                                                                                    | CU                                      |
| type of electrical connection for load-side outgoing feeder                                                             | Screw-type terminals                    |
| tightening torque [lbf-in] for load-side outgoing feeder                                                                | 180 ... 195 lbf-in                      |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded       | 2x (2/0 AWG ... 500 MCM)                |
| temperature of the conductor for load-side outgoing feeder maximum permissible                                          | 75 °C                                   |
| material of the conductor for load-side outgoing feeder                                                                 | CU                                      |
| type of electrical connection of magnet coil                                                                            | Screw-type terminals                    |
| tightening torque [lbf-in] at magnet coil                                                                               | 7 ... 10 lbf-in                         |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded                      | 2x (18 ... 14 AWG)                      |
| temperature of the conductor at magnet coil maximum permissible                                                         | 75 °C                                   |
| material of the conductor at magnet coil                                                                                | CU                                      |
| type of electrical connection at contactor for auxiliary contacts                                                       | Screw-type terminals                    |
| tightening torque [lbf-in] at contactor for auxiliary contacts                                                          | 7 ... 10 lbf-in                         |
| type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded | 2x (18 ... 14 AWG)                      |
| temperature of the conductor at contactor for auxiliary contacts maximum permissible                                    | 75 °C                                   |
| material of the conductor at contactor for auxiliary contacts                                                           | CU                                      |
| Short-circuit current rating                                                                                            |                                         |
| design of the fuse link for short-circuit protection of the main circuit required                                       | 100kA@600V (Class J 400A max)           |
| design of the short-circuit trip                                                                                        | Thermal magnetic circuit breaker        |
| breaking capacity maximum short-circuit current (Icu)                                                                   |                                         |
| • at 240 V                                                                                                              | 100 kA                                  |
| • at 480 V                                                                                                              | 100 kA                                  |
| • at 600 V                                                                                                              | 42 kA                                   |
| certificate of suitability                                                                                              | NEMA ICS 2; UL 508                      |
| Further information                                                                                                     |                                         |

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

[www.usa.siemens.com/iccatalog](http://www.usa.siemens.com/iccatalog)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/us/Catalog/product?mfb=US2:LEN02G003120A>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN02G003120A>

**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:LEN02G003120A&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN02G003120A&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN02G003120A/certificate>

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