



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 4 N.O.  
Poles, 110VAC 50HZ/120VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type (open), No enclosure

|                                                                         |                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------|
| 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]                                                             | 1 lb                                                      |
| Height x Width x Depth [in]                                             | 2.35 × 1.84 × 2.98 in                                     |
| touch protection against electrical shock                               | Main circuit (finger-safe); Control circuit (finger-safe) |
| 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                                                       | Germany                                                   |
| <b>Contactors</b>                                                       |                                                           |
| size of contactor                                                       | 20 Amp                                                    |
| number of NO contacts for main contacts                                 | 4                                                         |
| 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 (operating cycles) of the main contacts typical | 30000000                                                  |
| contact rating of the main contacts of lighting contactor               |                                                           |
| • with electronic ballast [LED driver] (1 pole per 1 phase) rated value | 8A @120V / 3A @277V 1p 1ph                                |
| • at tungsten (1 pole per 1 phase) rated value                          | 20A @277V 1p 1ph                                          |
| • at tungsten (2 poles per 1 phase) rated value                         | 20A @480V 2p 1ph                                          |
| • at tungsten (3 poles per 3 phases) rated value                        | 20A @480V 3p 3ph                                          |
| • at ballast (1 pole per 1 phase) rated value                           | 20A @347V 1p 1ph                                          |
| • at ballast (2 poles per 1 phase) rated value                          | 20A @600V 2p 1ph                                          |
| • at ballast (3 poles per 3 phases) rated value                         | 20A @600V 3p 3ph                                          |
| • at resistive load (1 pole per 1 phase) rated value                    | 20A @600V 1p 1ph                                          |
| • at resistive load (2 poles per 1 phase) rated value                   | 20A @600V 2p 1ph                                          |
| • at resistive load (3 poles per 3 phases) rated value                  | 20A @600V 3p 3ph                                          |
| <b>Auxiliary contact</b>                                                |                                                           |
| number of NC contacts at contactor for auxiliary contacts               | 0                                                         |
| number of NO contacts at contactor for auxiliary contacts               | 1                                                         |
| number of total auxiliary contacts maximum                              | 4                                                         |
| contact rating of auxiliary contacts of contactor according to UL       | A600 / Q600                                               |
| <b>Coil</b>                                                             |                                                           |

|                                                                          |              |
|--------------------------------------------------------------------------|--------------|
| type of voltage of the control supply voltage                            | AC           |
| control supply voltage                                                   |              |
| • at AC at 50 Hz rated value                                             | 110 V        |
| • at AC at 60 Hz rated value                                             | 120 V        |
| apparent pick-up power of magnet coil at AC                              | 31.7 VA      |
| apparent holding power of magnet coil at AC                              | 4.8 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 | Open device (no enclosure) |
| design of the housing                             | NA                         |

#### 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                                                                                    | 7 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                        | 2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 AWG |
| 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                                                                 | 7 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded       | 2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 AWG |
| 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 for AWG cables single or multi-stranded                      | 2x (20 ... 16 AWG), 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 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded | 2x (20 ... 16 AWG), 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 35A max)         |
| design of the short-circuit trip                                                  | Thermal magnetic circuit breaker     |
| maximum short-circuit current breaking capacity (Icu)                             |                                      |
| • at 240 V                                                                        | 65 kA                                |
| • at 480 V                                                                        | 65 kA                                |
| • at 600 V                                                                        | 10 kA                                |
| certificate of suitability                                                        | NEMA ICS 2; UL 508; CSA 22.2, No. 14 |

#### 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?mlfb=US2:LEN00B004120B>

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

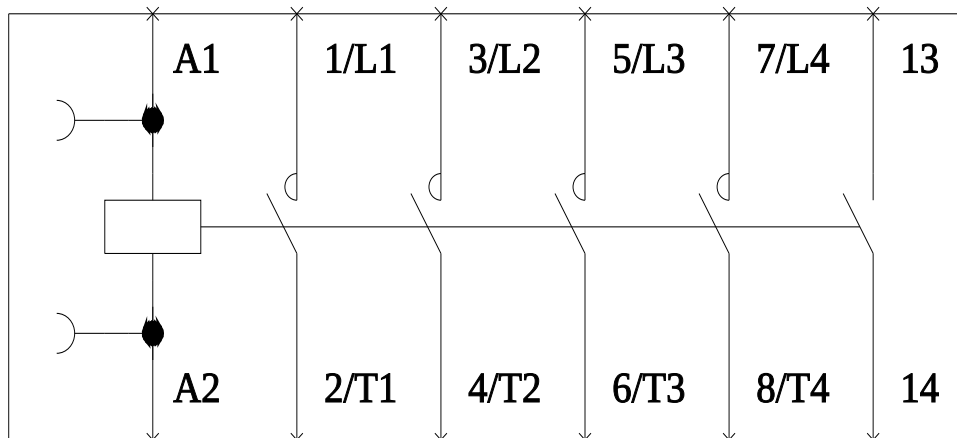
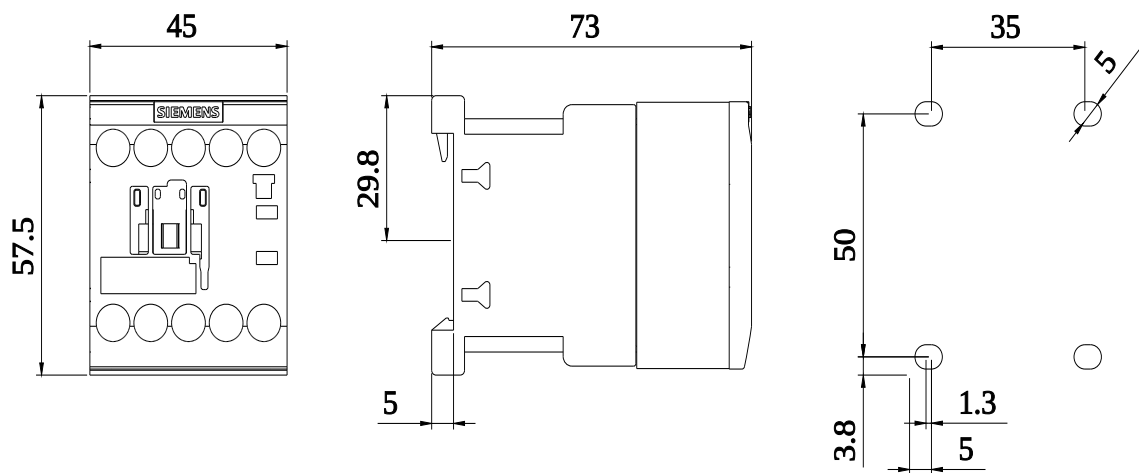
<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00B004120B>

**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:LEN00B004120B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN00B004120B&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00B004120B/certificate>



**LENO0B004 Wiring Diagram**

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