

Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 4 N.O. Poles, 110VAC 50HZ/120VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type (open), No enclosure



Figure similar

|  |   |
|--|---|
| Product brand name   | Class LE  |
| Design of the product  | Electrically held lighting contactor                      |
| Special product feature                                      | Compact design; Finger safe control terminals             |
| General technical data                                       |   |
| Weight [lb]  | 1 lb  |
| Height x Width x Depth [in]                                  | 3.55 × 2.45 × 3.96 in                                     |
| 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   |
| Contactor  |   |

|  |  |
|--|--|
| Size of contactor  | 30 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 (switching cycles) of the main contacts typical  | 10000000   |
| Contact rating of the main contacts of lighting contactor  |  |
| <ul style="list-style-type: none"> <li>• at tungsten (1 pole per 1 phase) rated value</li> <li>• at tungsten (2 poles per 1 phase) rated value</li> <li>• at tungsten (3 poles per 3 phases) rated value</li> <li>• at ballast (1 pole per 1 phase) rated value</li> <li>• at ballast (2 poles per 1 phase) rated value</li> <li>• at ballast (3 poles per 3 phases) rated value</li> <li>• at resistive load (1 pole per 1 phase) rated value</li> <li>• at resistive load (2 poles per 1 phase) rated value</li> <li>• at resistive load (3 poles per 3 phases) rated value</li> </ul> | 30A @277V 1p 1ph<br>30A @480V 2p 1ph<br>30A @480V 3p 3ph<br>30A @347V 1p 1ph<br>30A @600V 2p 1ph<br>30A @600V 3p 3ph<br>30A @600V 1p 1ph<br><br>30A @600V 2p 1ph<br><br>30A @600V 3p 3ph |

|   |             |
|---|-------------|
| <b>Auxiliary contact</b>  |             |
| Number of NC contacts at contactor for auxiliary contacts         | 1           |
| 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   |                |
| <ul style="list-style-type: none"> <li>• at AC at 50 Hz rated value</li> <li>• at AC at 60 Hz rated value</li> </ul> | 110 V<br>120 V |
| Apparent pick-up power of magnet coil at AC  | 87 V·A         |
| Apparent holding power of magnet coil at AC  | 9.4 V·A        |
| Operating range factor control supply voltage rated value of magnet coil   | 0.85 ... 1.1   |

|   |                            |
|---|----------------------------|
| <b>Enclosure</b>                                  |                            |
| Degree of protection NEMA rating of the enclosure | Open device (no enclosure) |
| Design of the housing                             | NA                         |

|                        |          |
|------------------------|----------|
| <b>Mounting/wiring</b> |          |
| Mounting position      | Vertical |

|   |  |
|---|--|
| Mounting type   | Surface mounting and installation      |
| Type of electrical connection for supply voltage line-side  | Screw-type terminals                   |
| Tightening torque [lbf·in] for supply   | 18 ... 22 lbf·in                       |
| Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded                        | 2x (16 ... 12 AWG), 2x (14 ... 8 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  | 18 ... 22 lbf·in                       |
| Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded       | 2x (16 ... 12 AWG), 2x (14 ... 8 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 at AWG conductors 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 at AWG conductors 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 40A max)     |
| Design of the short-circuit trip   | Thermal magnetic circuit breaker |
| Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> </ul> | 24 kA<br>65 kA                   |

• at 600 V

14 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:LEN00C004120B>

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

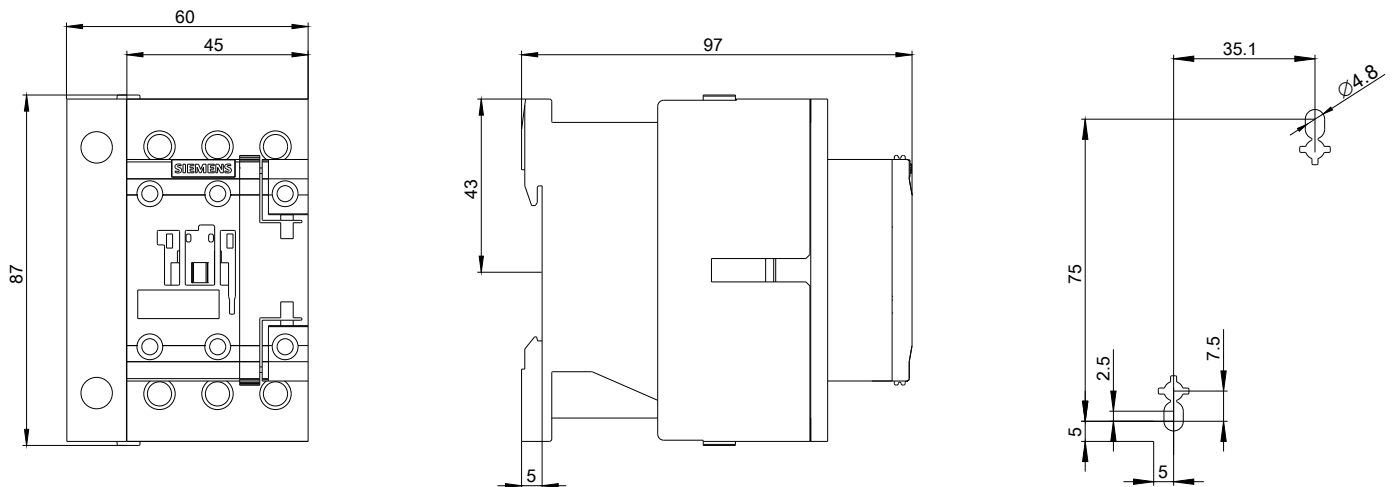
<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00C004120B>

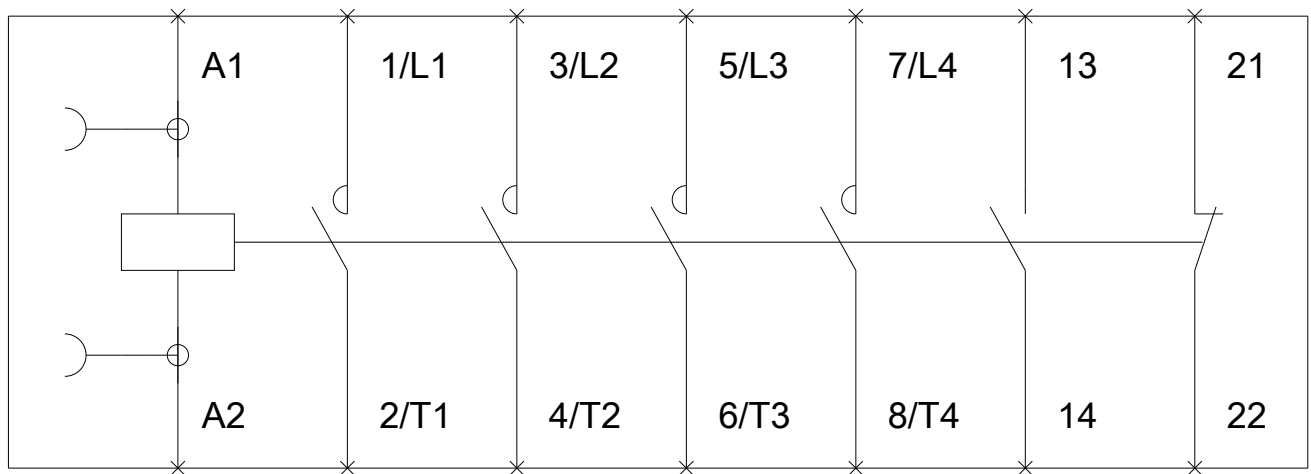
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:LEN00C004120B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN00C004120B&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00C004120B/certificate>





LEN00C004 Wiring Diagram

D38309004

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