## **SIEMENS**

## Data sheet US2:LCE01C504480A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 5 N.C. / 4 N.O. poles, 460-480V 60Hz/440V 50Hz coil, Noncombination type, Enclosure NEMA type 1, Indoor general purpose use



| 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]   | 11 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]  |   |
| during storage  | -22 +149 °F   |
| during operation  | -13 +104 °F   |
| ambient temperature   |   |
| during storage  | -30 +65 °C  |
| during operation  | -25 +40 °C  |
| country of origin   | USA   |
| Contactor   |   |
| size of contactor   | 30 Amp  |
| number of NO contacts for main contacts   | 4   |
| number of NC contacts for main contacts   | 5   |
| 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 (operating cycles) of the main contacts typical                       | 100000  |
| contact rating of the main contacts of lighting contactor                                     |   |
| <ul> <li>with electronic ballast [LED driver] (1 pole per 1 phase)<br/>rated value</li> </ul> | 10A @120V / 3A @277V 1p 1ph   |
| • at tungsten (1 pole per 1 phase) rated value  | 20A @277V 1p 1ph  |
| <ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>                             | 20A @480V 2p 1ph  |
| <ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>                            | 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  |
| <ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>                        | 30A @600V 1p 1ph  |
| <ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>                       | 30A @600V 2p 1ph  |
| <ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>                      | 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   |

| contact rating of auxiliary contacts of contactor according to UL  | NA                                 |
|--|------------------------------------|
| Coil   |                                    |
| type of voltage of the control supply voltage  | AC                                 |
| control supply voltage   |                                    |
| at AC at 50 Hz rated value   | 440 V                              |
| at AC at 60 Hz rated value   | 460 480 V                          |
| apparent pick-up power of magnet coil at AC  | 248 VA                             |
| apparent holding power of magnet coil at AC  | 28 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 Type 1                        |
| design of the housing  | indoors, usable on a general basis |
| 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  | 35 35 lbf-in                       |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                  | 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   | 35 35 lbf-in                       |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded | 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  | 15 15 lbf·in                       |
| type of connectable conductor cross-sections of magnet coil for 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                                 |
| Short-circuit current rating   |                                    |
| design of the fuse link for short-circuit protection of the main circuit required                                  | 100kA@600V (Class R or J 40A max)  |
| design of the short-circuit trip   | Thermal magnetic circuit breaker   |
| maximum short-circuit current breaking capacity (Icu)  |                                    |
| • at 240 V   | 24 kA                              |
| • at 480 V   | 65 kA                              |
| • at 600 V   | 25 kA                              |
| certificate of suitability   | NEMA ICS 2; UL 508                 |
| Further information  |                                    |
| Industrial Centrals Dreduct Overview (Catalogs Breakures   |                                    |

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

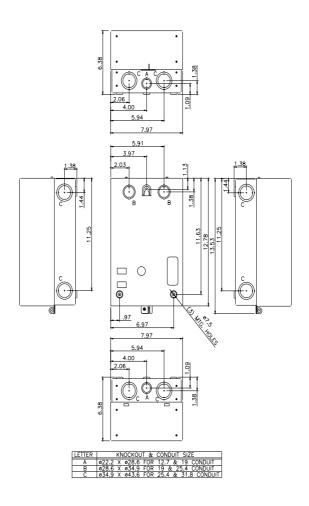
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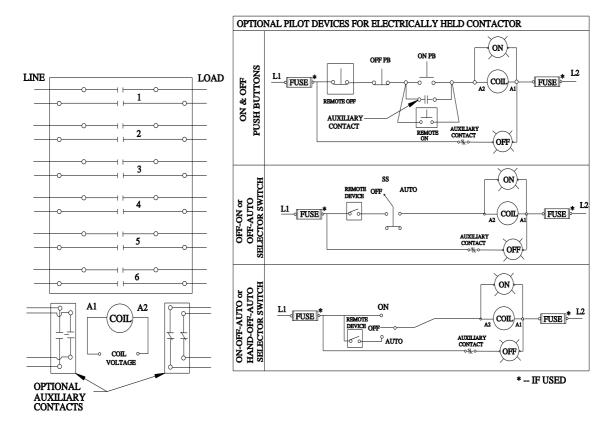
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C504480A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:LCE01C504480A&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:LCE01C504480A&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C504480A/certificate





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