## SIEMENS

## Data sheet

## US2:LCE04C700120A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 7 N.C. / 0 N.O. poles, 115-120V 60Hz/110V 50Hz coil, Non-combination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

| 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]   | 20 lb   |
| Height x Width x Depth [in]   | 16 × 13 × 6 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   | 0   |
| number of NC contacts for main contacts   | 7   |
| 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   |
| <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  |
| <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   |

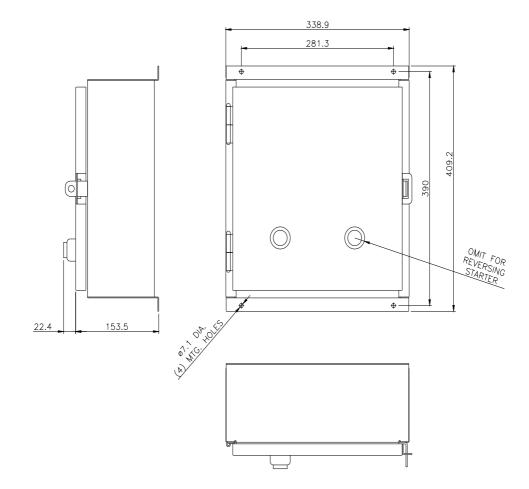
| contact rating of auxiliary contacts of contactor according to UL  | NA   |
|--|--|
| Coil   |  |
| type of voltage of the control supply voltage  | AC   |
| control supply voltage   |  |
| <ul> <li>at AC at 50 Hz rated value</li> </ul>   | 110 V  |
| <ul> <li>at AC at 60 Hz rated value</li> </ul>   | 115 120 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 4x 304 stainless steel enclosure          |
| design of the housing  | dustproof, waterproof & resistant to corrosion |
| 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<br>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<br>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<br>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                             |
| Approvals Certificates   |  |
| Test Certificates  |  |
|  |  |

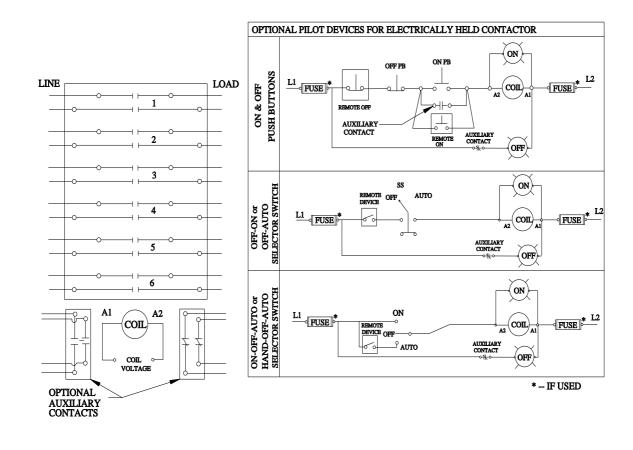


## Further information

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:LCE04C700120A Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE04C700120A 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:LCE04C700120A&lang=en Certificates/approvals

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