# SIEMENS

#### Data sheet

### US2:LCE04C203277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 2 N.C. / 3 N.O. poles, 277V 60Hz / 240V 50Hz coil, Noncombination 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   |
| <ul> <li>during operation</li> </ul>  | -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   | 3   |
| number of NC contacts for main contacts   | 2   |
| 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  |
| • at tungsten (2 poles per 1 phase) rated value   | 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  |
| • at resistive load (1 pole per 1 phase) rated value  | 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<br>• at AC at 50 Hz rated value  | 240 V  |  |
|   |  |  |
| at AC at 60 Hz rated value  | 277 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<br>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<br>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<br>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<br>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<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 (lcu)   |  |  |
| • 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   |  |  |

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www.usa.siemens.com/iccatalog

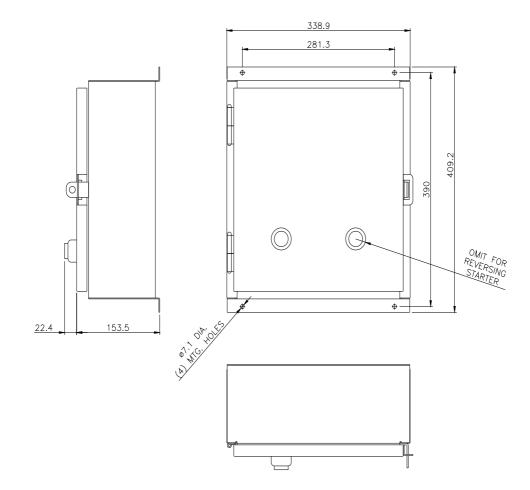
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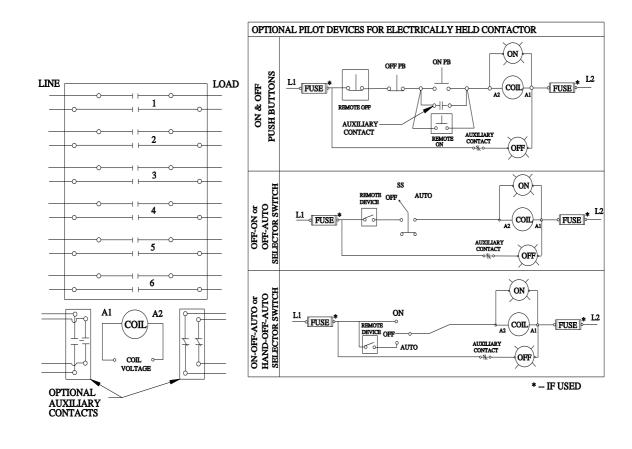
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:LCE04C203277A&lang=en

Certificates/approvals

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