

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 2 N.C. / 10 N.O. poles, 230-240V 60Hz/220V 50Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

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|--|--|
| 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  |
| <b>General technical data</b>  |  |
| weight [lb]  | 12 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]   |  |
| <ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>   | -22 ... +149 °F<br>-13 ... +104 °F   |
| ambient temperature  |  |
| <ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>   | -30 ... +65 °C<br>-25 ... +40 °C   |
| country of origin  | USA  |
| <b>Contactor</b>   |  |
| size of contactor  | 30 Amp   |
| number of NO contacts for main contacts  | 11   |
| 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 (switching cycles) of the main contacts typical  | 100000   |
| 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> | 20A @277V 1p 1ph<br>20A @480V 2p 1ph<br>20A @480V 3p 3ph<br>30A @347V 1p 1ph<br>30A @600V 2p 1ph<br>30A @600V 3p 3ph<br>30A @600V 1p 1ph<br>30A @600V 2p 1ph<br>30A @600V 3p 3ph |
| <b>Auxiliary contact</b>   |  |
| 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   |
| <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>   | 220 V<br>230 ... 240 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  | 0.85 ... 1.1   |

|   |                                    |
|---|------------------------------------|
| of magnet coil  |                                    |
| <b>Enclosure</b>  |                                    |
| degree of protection NEMA rating of the enclosure   | NEMA Type 1                        |
| design of the housing   | indoors, usable on a general basis |
| <b>Mounting/wiring</b>  |                                    |
| 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 at 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 at 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 at 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                                 |
| <b>Short-circuit current rating</b>   |                                    |
| 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   |
| breaking capacity maximum short-circuit current (Icu)   |                                    |
| <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>              | 24 kA<br>65 kA<br>25 kA            |
| certificate of suitability  | NEMA ICS 2; UL 508                 |

#### 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:LCE01C210240A>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C210240A>

**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:LCE01C210240A&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LCE01C210240A&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C210240A/certificate>

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