



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O.  
Poles, 480VAC 60HZ coil, Combination type, 30A/600V non-fuse disconnect,  
Enclosure NEMA type 12, Dust/drip proof for indoors

|   |   |
|---|---|
| product brand name  | Class LE  |
| design of the product   | Electrically held lighting contactor with non-fusible disconnect switch |
| special product feature   | Compact design; Finger safe control terminals                           |
| <b>General technical data</b>   |   |
| weight [lb]   | 38 lb   |
| Height x Width x Depth [in]   | 24 × 11 × 8 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  | -67 ... +176 °F   |
| • during operation  | 32 ... 104 °F   |
| ambient temperature   |   |
| • during storage  | -55 ... +80 °C  |
| • during operation  | 0 ... 40 °C   |
| country of origin   | USA   |
| <b>Contactor</b>  |   |
| size of contactor   | 20 Amp  |
| number of NO contacts for main contacts                                 | 3   |
| 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 (operating cycles) of the main contacts typical | 30000000  |
| contact rating of the main contacts of lighting contactor               |   |
| • with electronic ballast [LED driver] (1 pole per 1 phase) rated value | 8A @120V / 3A @277V 1p 1ph  |
| • at tungsten (1 pole per 1 phase) rated value                          | 20A @277V 1p 1ph  |
| • at tungsten (2 poles per 1 phase) rated value                         | 20A @480V 2p 1ph  |
| • at tungsten (3 poles per 3 phases) rated value                        | 20A @480V 3p 3ph  |
| • at ballast (1 pole per 1 phase) rated value                           | 20A @347V 1p 1ph  |
| • at ballast (2 poles per 1 phase) rated value                          | 20A @600V 2p 1ph  |
| • at ballast (3 poles per 3 phases) rated value                         | 20A @600V 3p 3ph  |
| • at resistive load (1 pole per 1 phase) rated value                    | 20A @600V 1p 1ph  |
| • at resistive load (2 poles per 1 phase) rated value                   | 20A @600V 2p 1ph  |
| • at resistive load (3 poles per 3 phases) rated value                  | 20A @600V 3p 3ph  |
| <b>Auxiliary contact</b>  |   |
| number of NC contacts at contactor for auxiliary contacts               | 0   |
| 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  |   |
| • at AC at 60 Hz rated value  | 480 V   |
| apparent pick-up power of magnet coil at AC   | 31.7 VA   |
| apparent holding power of magnet coil at AC   | 4.8 VA  |
| operating range factor control supply voltage rated value of magnet coil  | 0.85 ... 1.1                                      |
| <b>Disconnect Switch</b>  |   |
| response value of switch disconnecter   | 30A / 600V  |
| design of fuse holder   | non-fusible                                       |
| operating class of the fuse link  | non-fusible                                       |
| <b>Enclosure</b>  |   |
| degree of protection NEMA rating of the enclosure   | NEMA 12 enclosure                                 |
| design of the housing   | dustproof and drip-proof for indoor use           |
| <b>Mounting/wiring</b>  |   |
| mounting position   | Vertical  |
| fastening method  | Surface mounting and installation                 |
| type of electrical connection for supply voltage line-side  | Box lug   |
| 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   | 1x (14 ... 2 AWG)                                 |
| temperature of the conductor for supply maximum permissible   | 75 °C   |
| material of the conductor for supply  | AL or CU  |
| type of electrical connection for load-side outgoing feeder   | Screw-type terminals                              |
| tightening torque [lbf-in] for load-side outgoing feeder  | 7 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  | 2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 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 for AWG cables 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 for AWG cables 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  |
| <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)                         |
| certificate of suitability  | NEMA ICS 2; UL 508                                |
| <b>Further information</b>  |   |
| <b>Industrial Controls - Product Overview (Catalogs, Brochures,...)</b><br><a href="http://www.usa.siemens.com/iccatalog">www.usa.siemens.com/iccatalog</a>   |   |
| <b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEDB2B003480B">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEDB2B003480B</a>  |   |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB2B003480B">https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB2B003480B</a>  |   |
| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEDB2B003480B&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEDB2B003480B&amp;lang=en</a> |   |
| <b>Certificates/approvals</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB2B003480B/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB2B003480B/certificate</a>  |   |



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