

Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 3 N.O. Poles, 24VAC 50/60HZ coil, Combination type, 30A/600V non-fuse disconnect, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive



Figure similar

|                         |   |
|-------------------------|---|
| 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                           |

| General technical data                                       |                          |
|--|--------------------------|
| Weight [lb]  | 38 lb                    |
| Height x Width x Depth [in]                                  | 24 x 11 x 8 in           |
| Protection against electrical shock                          | NA for enclosed products |
| Installation altitude [ft] at height above sea level maximum | 6560 ft                  |
| Ambient temperature [°F]                                     |                          |
| • during storage maximum                                     | 176 °F                   |
| • during operation maximum                                   | 104 °F                   |
| Ambient temperature  |                          |
| • during storage maximum                                     | 80 °C                    |
| • during operation maximum                                   | 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  | 0  |
| Operating voltage for main current circuit at AC at 60 Hz maximum  | 600 V  |
| Mechanical service life (switching cycles) of the main contacts typical  | 10000000   |
| 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> | 30A @277V 1p 1ph<br>30A @480V 2p 1ph<br>30A @480V 3p 3ph<br>30A @347V 1p 1ph<br>30A @600V 2p 1ph<br>30A @600V 3p 3ph<br>30A @600V 1p 1ph<br><br>30A @600V 2p 1ph<br><br>30A @600V 3p 3ph |
| Auxiliary contact  |  |
| Number of NC contacts at contactor for auxiliary contacts  | 1  |
| 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  |
| Coil   |  |
| Type of voltage of the control supply voltage  | AC   |
| Control supply voltage   |  |
| <ul style="list-style-type: none"> <li>• at AC at 60 Hz rated value</li> </ul>   | 24 V   |
| Apparent pick-up power of magnet coil at AC  | 87 V·A   |
| Apparent holding power of magnet coil at AC  | 9.4 V·A  |
| Operating range factor control supply voltage rated value of magnet coil   | 0.85 ... 1.1   |
| Disconnect Switch  |  |
| Rated response values of switch disconnecter   | 30A / 600V   |
| Design of fuse holder  | non-fusible  |
| Operating class of the fuse link   | non-fusible  |

| Enclosure   |  |
|---|--|
| Degree of protection NEMA rating of the enclosure   | NEMA 4X 304 stainless steel enclosure        |
| Design of the housing   | Dust-tight, watertight & corrosion resistant |
| Mounting/wiring   |  |
| Mounting position   | Vertical                                     |
| Mounting type   | 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 at AWG conductors 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  | 18 ... 22 lbf-in                             |
| Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded       | 2x (16 ... 12 AWG), 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   | 7 ... 10 lbf-in                              |
| Type of connectable conductor cross-sections of magnet coil at AWG conductors 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 at AWG conductors 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   |

### Short-circuit current rating

|   |                      |
|---|----------------------|
| Design of the fuse link for short-circuit protection of the main circuit required | 100kA@600V (Class J) |
| 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:LEDB4C003024B>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB4C003024B>

**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:LEDB4C003024B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEDB4C003024B&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB4C003024B/certificate>



