



Figure similar

Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 198VAC 50HZ/208VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type 1, Indoor general purpose use

|  |  |
|--|--|
| product brand name   | Class LE   |
| design of the product  | Electrically held lighting contactor   |
| special product feature  | Compact design; Finger safe control terminals  |
| <b>General technical data</b>  |  |
| weight [lb]  | 6 lb   |
| Height x Width x Depth [in]  | 11 × 7 × 5 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>   | -67 ... +176 °F<br>32 ... 104 °F   |
| ambient temperature  |  |
| <ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>   | -55 ... +80 °C<br>0 ... 40 °C  |
| country of origin  | USA  |
| <b>Contactors</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 (switching cycles) of the main contacts typical  | 30000000   |
| 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>20A @347V 1p 1ph<br>20A @600V 2p 1ph<br>20A @600V 3p 3ph<br>20A @600V 1p 1ph<br>20A @600V 2p 1ph<br>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  |

| Coil  |   |
|---|---|
| type of voltage of the control supply voltage   | AC  |
| control supply voltage  |   |
| • at AC at 50 Hz rated value  | 198 V   |
| • at AC at 60 Hz rated value  | 208 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                                      |
| Enclosure   |   |
| degree of protection NEMA rating of the enclosure   | NEMA 1 enclosure                                  |
| design of the housing   | indoors, usable on a general basis                |
| 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   | 7 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded                        | 2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 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  | 7 ... 12 lbf-in                                   |
| type of connectable conductor cross-sections at 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 at 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 at 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  |
| Short-circuit current rating  |   |
| design of the fuse link for short-circuit protection of the main circuit required                                       | 100kA@600V (Class RK5 30A max)                    |
| design of the short-circuit trip  | Thermal magnetic circuit breaker                  |
| breaking capacity maximum short-circuit current (I <sub>cu</sub> )  |   |
| • at 240 V  | 24 kA   |
| • at 480 V  | 5 kA  |
| • at 600 V  | 5 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:LEN01B003208B>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN01B003208B>

**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:LEN01B003208B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN01B003208B&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN01B003208B/certificate>

**last modified:**

1/25/2022 