



Figure similar

Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 6 N.O. Poles, 24VAC 50/60HZ 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]   | 22 lb   |
| Height x Width x Depth [in]   | 20 × 12 × 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>Contactors</b>   |   |
| size of contactor   | 30 Amp  |
| number of NO contacts for main contacts                                 | 6   |
| 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               |   |
| • at tungsten (1 pole per 1 phase) rated value                          | 30A @277V 1p 1ph                              |
| • at tungsten (2 poles per 1 phase) rated value                         | 30A @480V 2p 1ph                              |
| • at tungsten (3 poles per 3 phases) rated value                        | 30A @480V 3p 3ph                              |
| • at ballast (1 pole per 1 phase) rated value                           | 30A @347V 1p 1ph                              |
| • at ballast (2 poles per 1 phase) rated value                          | 30A @600V 2p 1ph                              |
| • at ballast (3 poles per 3 phases) rated value                         | 30A @600V 3p 3ph                              |
| • at resistive load (1 pole per 1 phase) rated value                    | 30A @600V 1p 1ph                              |
| • at resistive load (2 poles per 1 phase) rated value                   | 30A @600V 2p 1ph                              |
| • at resistive load (3 poles per 3 phases) rated value                  | 30A @600V 3p 3ph                              |
| <b>Auxiliary contact</b>  |   |
| number of NC contacts at contactor for auxiliary contacts               | 2   |
| number of NO contacts at contactor for auxiliary contacts               | 2   |
| 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 60 Hz rated value  | 24 V                                   |
| apparent pick-up power of magnet coil at AC   | 174 VA                                 |
| apparent holding power of magnet coil at AC   | 18.8 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   | 18 ... 22 lbf-in                       |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded                        | 2x (16 ... 12 AWG), 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  | 18 ... 22 lbf-in                       |
| type of connectable conductor cross-sections at AWG cables 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 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 J 40A max)           |
| design of the short-circuit trip  | Thermal magnetic circuit breaker       |
| breaking capacity maximum short-circuit current (Icu)   |  |
| • at 240 V  | 24 kA                                  |
| • at 480 V  | 65 kA                                  |
| • at 600 V  | 14 kA                                  |
| certificate of suitability  | NEMA ICS 2; UL 508A                    |

#### 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?mifb=US2:LEN01C006024B>

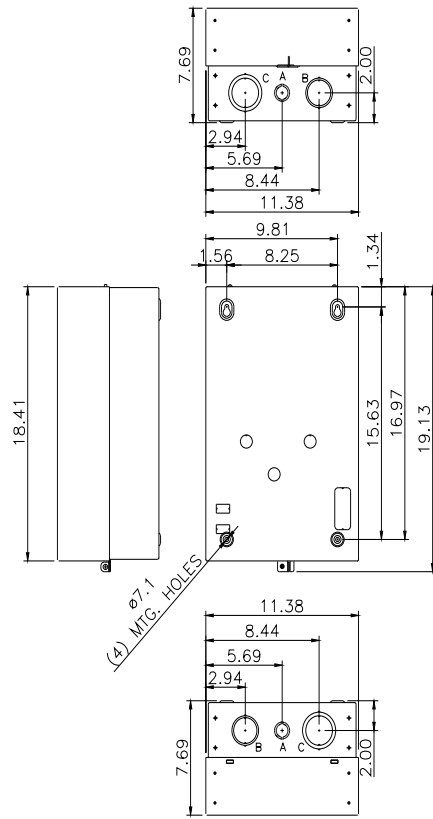
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN01C006024B>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mifb=US2:LEN01C006024B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mifb=US2:LEN01C006024B&lang=en)

**Certificates/approvals**



| LETTER | KNOCKOUT & CONDUIT SIZE             |
|--------|-------------------------------------|
| A      | ø22.2 X ø28.6 FOR 12.7 & 19 CONDUIT |
| B      | ø43.6 X ø60 FOR 31.8 & 38.1 CONDUIT |
| C      | ø50 X ø62.7 FOR 38.1 & 50.8 CONDUIT |

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