



Figure similar

Mechanically held lighting contactor, Contactor amp rating 200A, 0 N.C. / 2 N.O. poles, 24VAC 60HZ coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

|   |   |
|---|---|
| product brand name  | Class CLM                               |
| design of the product   | Magnetically latched lighting contactor |
| special product feature   | Energy efficient; Quiet operation       |
| <b>General technical data</b>   |   |
| weight [lb]   | 113 lb                                  |
| Height x Width x Depth [in]   | 25 × 14 × 9 in                          |
| touch protection against electrical shock                               | NA for enclosed products                |
| installation altitude [ft] at height above sea level maximum            | 6560 ft                                 |
| country of origin   | USA                                     |
| <b>Contactors</b>   |   |
| size of contactor   | 200 Amp                                 |
| number of NO contacts for main contacts                                 | 2                                       |
| 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 | 5000000                                 |
| contact rating of the main contacts of lighting contactor               |   |
| • at tungsten (1 pole per 1 phase) rated value                          | 200A @277V 1p 1ph                       |
| • at tungsten (2 poles per 1 phase) rated value                         | 200A @480V 2p 1ph                       |
| • at tungsten (3 poles per 3 phases) rated value                        | 200A @480V 3p 3ph                       |
| • at ballast (1 pole per 1 phase) rated value                           | 200A @347V 1p 1ph                       |
| • at ballast (2 poles per 1 phase) rated value                          | 200A @600V 2p 1ph                       |
| • at ballast (3 poles per 3 phases) rated value                         | 200A @600V 3p 3ph                       |
| • at resistive load (1 pole per 1 phase) rated value                    | 200A @347V 1p 1ph                       |
| • at resistive load (2 poles per 1 phase) rated value                   | 200A @600V 2p 1ph                       |
| • at resistive load (3 poles per 3 phases) rated value                  | 200A @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  |   |
| • at AC at 60 Hz rated value  | 24 V                                    |
| apparent pick-up power of magnet coil at AC                             | 900 VA                                  |
| apparent holding power of magnet coil at AC                             | 200 VA                                  |

|   |                                      |
|---|--------------------------------------|
| operating range factor control supply voltage rated value of magnet coil  | 0.85 ... 1.1                         |
| <b>Enclosure</b>  |                                      |
| degree of protection NEMA rating of the enclosure   | NEMA 1 enclosure                     |
| 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  | Box lug                              |
| tightening torque [lbf-in] for supply   | 275 ... 300 lbf-in                   |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded                  | 1x (4 AWG ... 300 kcmil)             |
| 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   | Box lug                              |
| tightening torque [lbf-in] for load-side outgoing feeder  | 275 ... 300 lbf-in                   |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded | 1x (4 AWG ... 300 kcmil)             |
| temperature of the conductor for load-side outgoing feeder maximum permissible                                    | 75 °C                                |
| material of the conductor for load-side outgoing feeder   | AL or CU                             |
| type of electrical connection of magnet coil  | Screw-type terminals                 |
| tightening torque [lbf-in] at magnet coil   | 8 ... 12 lbf-in                      |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded                | 2x (16 ... 12 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                                 | none                                 |
| design of the short-circuit trip  | Thermal magnetic circuit breaker     |
| breaking capacity maximum short-circuit current (Icu)   |                                      |
| • at 240 V  | 10 kA                                |
| • at 480 V  | 10 kA                                |
| • at 600 V  | 10 kA                                |
| certificate of suitability  | NEMA ICS 2; UL 508; CSA 22.2, No. 14 |

#### 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:CLM1F02024>

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

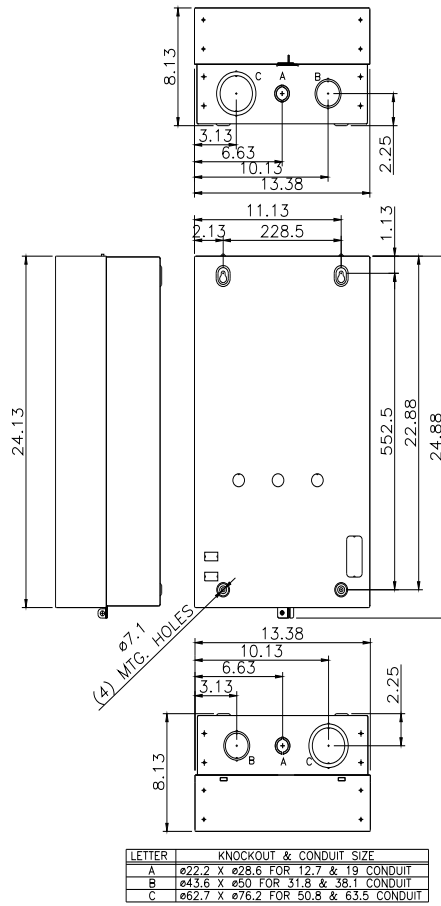
<https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1F02024>

**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:CLM1F02024&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM1F02024&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1F02024/certificate>



last modified:

1/25/2022