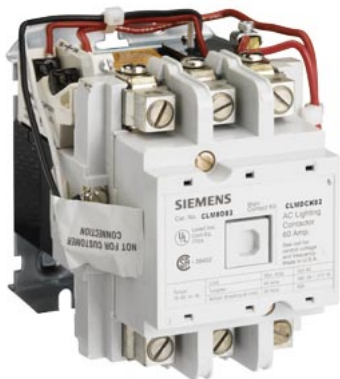
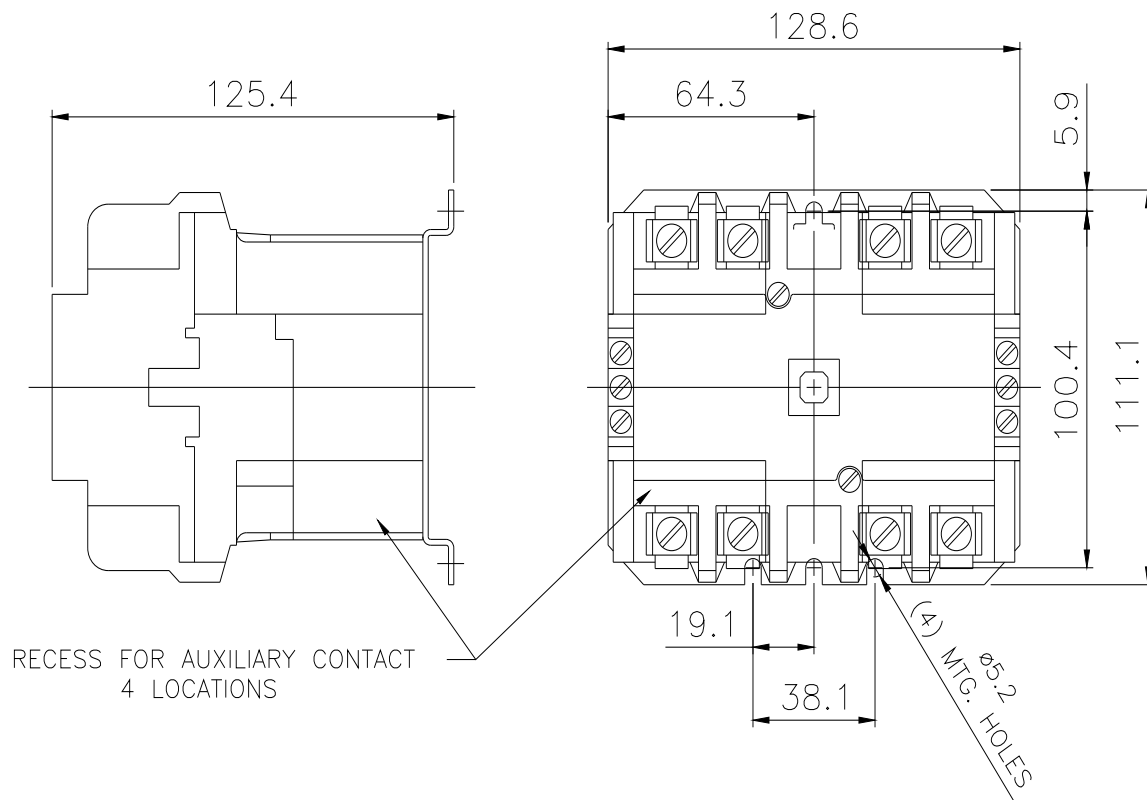




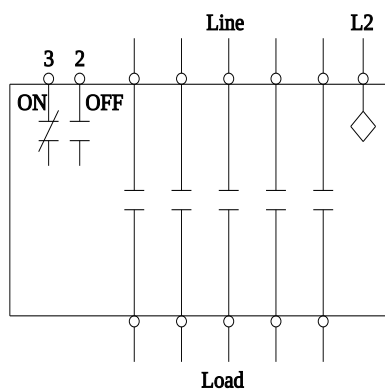
Mechanically held lighting contactor, Contactor amp rating 60A, 0 N.C. / 5 N.O. poles, 220VAC 50HZ/240VAC 60HZ coil, Non-combination type, Enclosure NEMA type (open), No enclosure

|                                                                          |                                         |
|--------------------------------------------------------------------------|-----------------------------------------|
| 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]                                                              | 4 lb                                    |
| Height x Width x Depth [in]                                              | 4.53 × 5.27 × 5.1 in                    |
| touch protection against electrical shock                                | Not finger-safe                         |
| installation altitude [ft] at height above sea level maximum             | 6560 ft                                 |
| country of origin                                                        | USA                                     |
| <b>Contactor</b>                                                         |                                         |
| size of contactor                                                        | 60 Amp                                  |
| number of NO contacts for main contacts                                  | 5                                       |
| 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  | 10000000                                |
| contact rating of the main contacts of lighting contactor                |                                         |
| • at tungsten (1 pole per 1 phase) rated value                           | 60A @277V 1p 1ph                        |
| • at tungsten (2 poles per 1 phase) rated value                          | 60A @480V 2p 1ph                        |
| • at tungsten (3 poles per 3 phases) rated value                         | 60A @480V 3p 3ph                        |
| • at ballast (1 pole per 1 phase) rated value                            | 60A @347V 1p 1ph                        |
| • at ballast (2 poles per 1 phase) rated value                           | 60A @600V 2p 1ph                        |
| • at ballast (3 poles per 3 phases) rated value                          | 60A @600V 3p 3ph                        |
| • at resistive load (1 pole per 1 phase) rated value                     | 60A @347V 1p 1ph                        |
| • at resistive load (2 poles per 1 phase) rated value                    | 60A @600V 2p 1ph                        |
| • at resistive load (3 poles per 3 phases) rated value                   | 60A @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 50 Hz rated value                                             | 220 V                                   |
| • at AC at 60 Hz rated value                                             | 240 V                                   |
| apparent pick-up power of magnet coil at AC                              | 600 VA                                  |
| apparent holding power of magnet coil at AC                              | 40 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                                                                                                                                                                                                                                                               | Open device (no enclosure)           |
| design of the housing                                                                                                                                                                                                                                                                                           | NA                                   |
| Mounting/wiring                                                                                                                                                                                                                                                                                                 |                                      |
| 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                                                                                                                                                                                                                                                                           | 45 ... 50 lbf-in                     |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                                                                                                                                                                                                               | 1x (14 ... 4 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                                                                                                                                                                                                                                                     | Box lug                              |
| tightening torque [lbf-in] for load-side outgoing feeder                                                                                                                                                                                                                                                        | 45 ... 50 lbf-in                     |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded                                                                                                                                                                                              | 1x (14 ... 4 AWG)                    |
| 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 for 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                                   |
| Short-circuit current rating                                                                                                                                                                                                                                                                                    |                                      |
| 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     |
| maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>                                                                                                                                                      | 5 kA<br>5 kA<br>5 kA                 |
| certificate of suitability                                                                                                                                                                                                                                                                                      | NEMA ICS 2; UL 508; CSA 22.2, No. 14 |
| Further information                                                                                                                                                                                                                                                                                             |                                      |
| <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:CLM0D05240">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM0D05240</a>                                                                                |                                      |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D05240">https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D05240</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:CLM0D05240&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0D05240&amp;lang=en</a> |                                      |
| <b>Certificates/approvals</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D05240/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D05240/certificate</a>                                                                                                          |                                      |



### Wiring Diagram Class CLM 30-200 Amp 2, 3, 4 and 5 Pole



#### Notes:

1. Dotted lines represent additional poles.  
Contactor may have 2, 3, 4 or 5 poles.
2. Optional auxiliary contacts are not shown.

E87010-A0410-T009-A1-CLM-1

