



Figure similar

Mechanically held lighting contactor, Contactor amp rating 30Amp 0NC \_  
2NO poles, 208VAC 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]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 lb                                                                                                                                                                             |
| Height x Width x Depth [in]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.53 × 3.43 × 4.78 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 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 @347V 1p 1ph<br>30A @600V 2p 1ph<br>30A @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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>at AC at 60 Hz rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 208 V                                                                                                                                                                            |

|                                                                                                                                                            |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| apparent pick-up power of magnet coil at AC                                                                                                                | 410 V·A                              |
| apparent holding power of magnet coil at AC                                                                                                                | 40 V·A                               |
| 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                                                                                                          | Open device (no enclosure)           |
| design of the housing                                                                                                                                      | NA                                   |
| <b>Mounting/wiring</b>                                                                                                                                     |                                      |
| 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 ... 20 lbf·in                     |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded                                                           | 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 ... 20 lbf·in                     |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded                                          | 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                                                                                                                  | 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) <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 |
| <b>Further information</b>                                                                                                                                 |                                      |

**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:CLM0C02208>

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

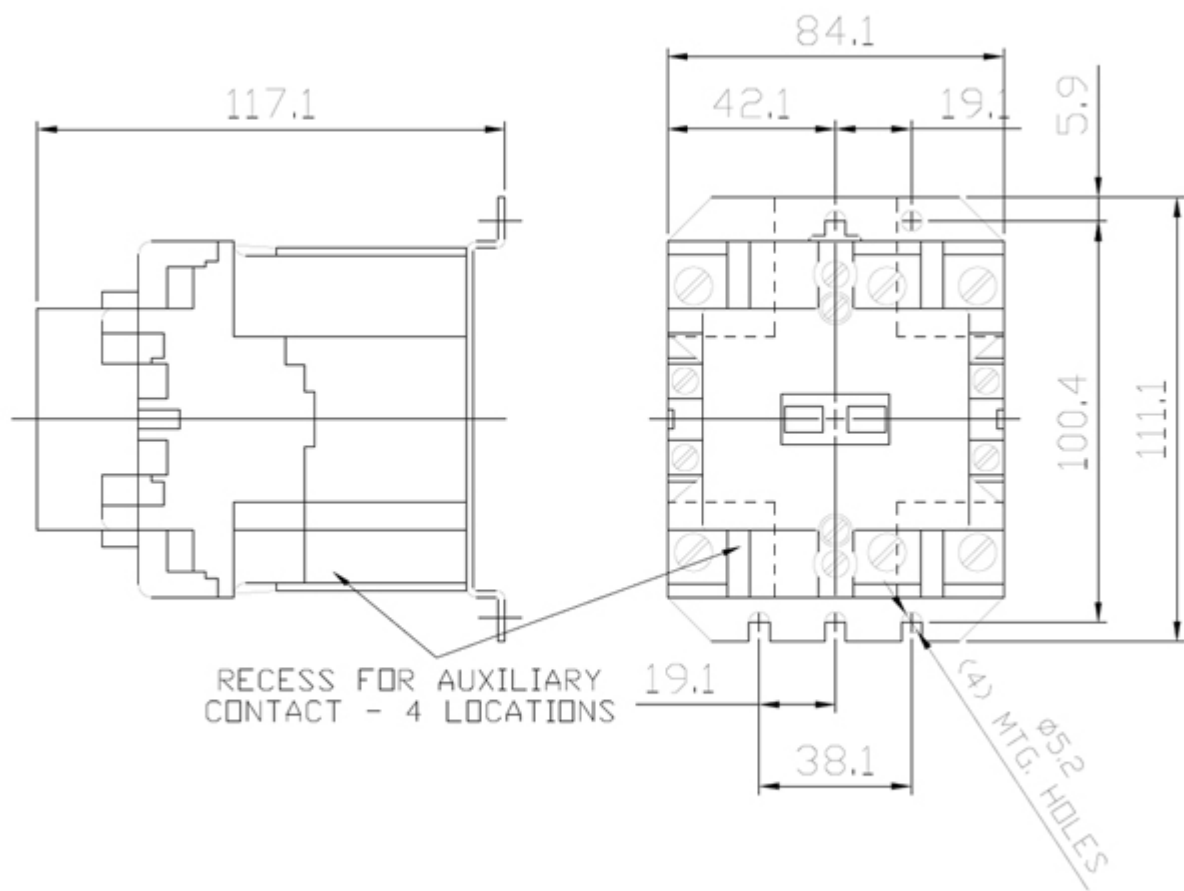
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**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

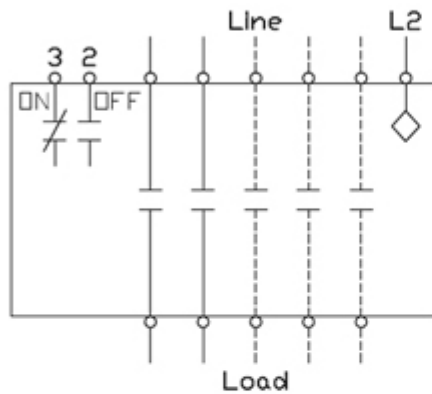
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**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C02208/certificate>



## 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.

last modified:

3/10/2020 