

Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 8 N.O. poles, 277VAC 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]  | 9 lb                                    |
| Height x Width x Depth [in]  | 5.87 × 8 × 4.86 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                                  | 8                                       |
| 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                           | 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 @347V 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 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   | 277 V                                   |
| apparent pick-up power of magnet coil at AC                              | 820 VA                                  |
| apparent holding power of magnet coil at AC                              | 80 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   | 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 for 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 for 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 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                                |
| <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  |
| maximum short-circuit current breaking capacity (Icu)   |                                   |
| • at 240 V  | 5 kA                              |
| • at 480 V  | 5 kA                              |
| • at 600 V  | 5 kA                              |
| certificate of suitability  | NEMA ICS 2; UL 508A               |
| <b>Further information</b>  |                                   |
| <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:CLM0C08277">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM0C08277</a>  |                                   |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C08277">https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C08277</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:CLM0C08277&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0C08277&amp;lang=en</a> |                                   |
| <b>Certificates/approvals</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C08277/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C08277/certificate</a>  |                                   |



