



Figure similar

Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 12 N.O. poles, 110VAC 50HZ/120VAC 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]  | 20 lb  |
| Height x Width x Depth [in]  | 16 × 17 × 8 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  | 30 Amp   |
| number of NO contacts for main contacts  | 12   |
| 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 50 Hz rated value</li> <li>• at AC at 60 Hz rated value</li> </ul>   | 110 V<br>120 V   |
| apparent pick-up power of magnet coil at AC  | 1230 VA  |

|   |                                    |
|---|------------------------------------|
| apparent holding power of magnet coil at AC   | 120 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  | 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)   |                                    |
| • at 240 V  | 5 kA                               |
| • at 480 V  | 5 kA                               |
| • at 600 V  | 5 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?mlfb=US2:CLM1C12120>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1C12120>

**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:CLM1C12120&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM1C12120&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1C12120/certificate>

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