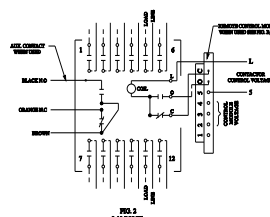
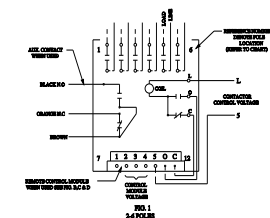
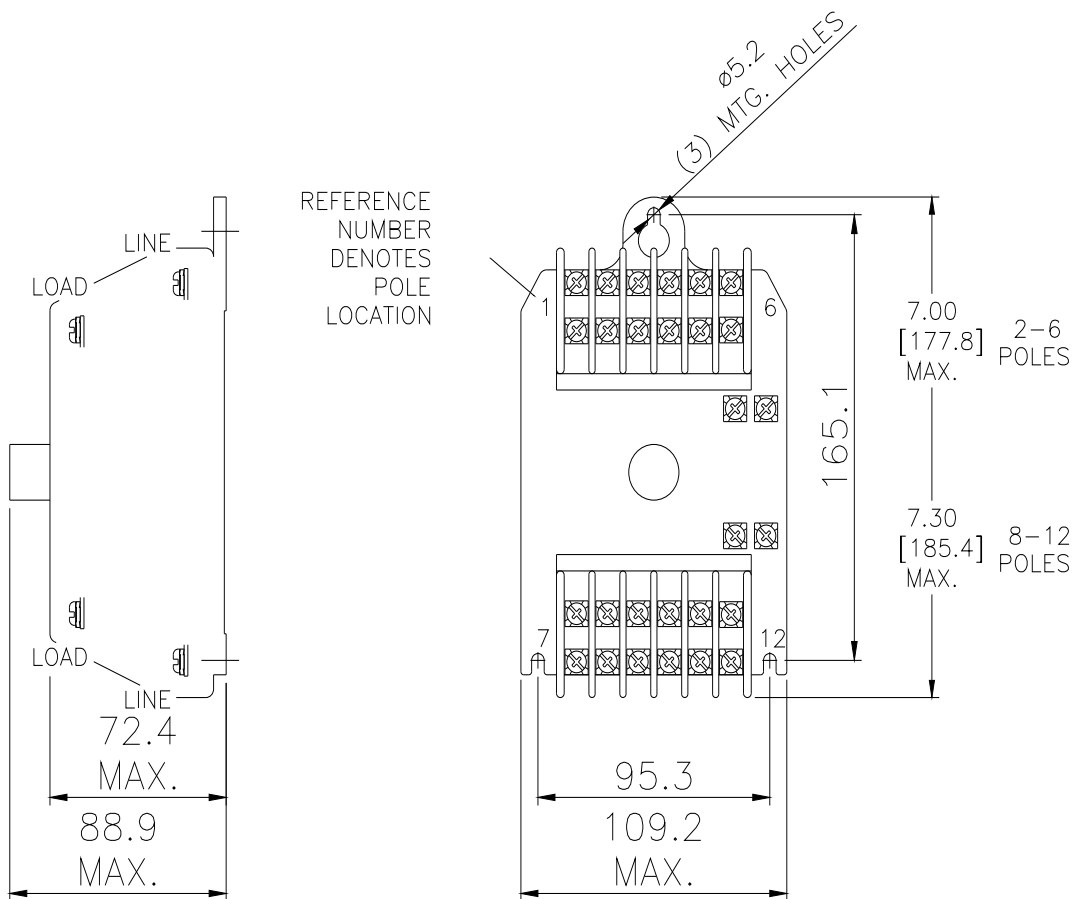




Mechanically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 6 N.O. poles, Non-combination type, Enclosure NEMA type (open), No enclosure

| | |
|--|--------------------------------------|
| product brand name | Class CLM |
| design of the product | Mechanically held lighting contactor |
| special product feature | Energy efficient; Quiet operation |
| General technical data | |
| weight [lb] | 2 lb |
| Height x Width x Depth [in] | 7.3 × 4.3 × 3.5 in |
| touch protection against electrical shock | Not finger-safe |
| installation altitude [ft] at height above sea level maximum | 6560 ft |
| country of origin | Mexico |
| Contactors | |
| size of contactor | 20 Amp |
| number of NO contacts for main contacts | 6 |
| number of NC contacts for main contacts | 0 |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| contact rating of the main contacts of lighting contactor | |
| • at tungsten (1 pole per 1 phase) rated value | 20A @250V 1p 1ph |
| • at tungsten (2 poles per 1 phase) rated value | 20A @250V 2p 1ph |
| • at tungsten (3 poles per 3 phases) rated value | 20A @250V 3p 3ph |
| • at ballast (1 pole per 1 phase) rated value | 20A @347V 1p 1ph |
| • at ballast (2 poles per 1 phase) rated value | 20A @600V 2p 1ph |
| • at ballast (3 poles per 3 phases) rated value | 20A @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 |
| Auxiliary contact | |
| 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 |
| Coil | |
| type of voltage of the control supply voltage | AC |
| control supply voltage | |
| • at AC at 50 Hz rated value | 265 ... 277 V |
| • at AC at 60 Hz rated value | 265 ... 277 V |
| apparent pick-up power of magnet coil at AC | 600 VA |
| apparent holding power of magnet coil at AC | 6 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 | Screw-type terminals |
| tightening torque [lbf·in] for supply | 18 ... 18 lbf·in |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded | 2x (18 ... 10 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 ... 18 lbf·in |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded | 2x (18 ... 10 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 | 18 ... 18 lbf·in |
| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded | 2x (18 ... 10 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) | |
| • at 240 V | 5 kA |
| • at 480 V | 5 kA |
| • at 600 V | 5 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 | |
| Industry Mall (Online ordering system) | |
| https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM62071 | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...) | |
| https://support.industry.siemens.com/cs/US/en/ps/US2:CLM62071 | |
| 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:CLM62071&lang=en | |
| Certificates/approvals | |
| https://support.industry.siemens.com/cs/US/en/ps/US2:CLM62071/certificate | |



| POLES | LOCATION |
|-------|-----------------|
| 2 | 2 & 3 |
| 3 | 2, 3 & 5 |
| 4 | 2, 3, 4 & 5 |
| 6 | 1-6 |
| 8 | 1-6, 8 & 11 |
| 10 | 1-6, 8, 10 & 11 |
| 12 | 1-12 |

MAIN CONTACT MAXIMUM VOLTAGE
RATINGS (OPEN OR CLOSED)

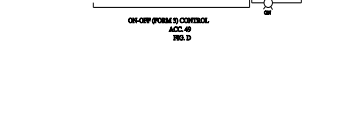
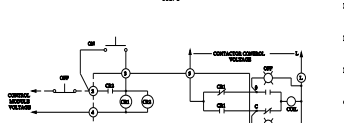
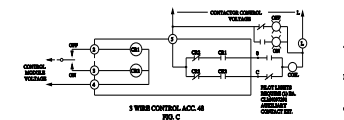
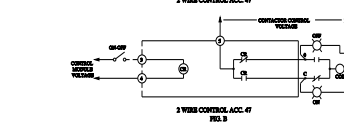
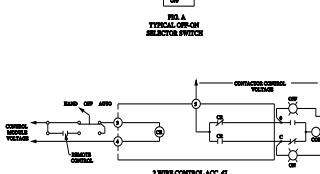
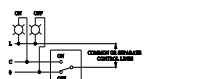
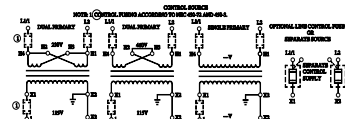
| POLES TO LOAD | AMPERES CONTINUOUS |
|---------------|-----------------------|
| 2 POLES | 50 |
| 3 POLES | 50 |
| 4 POLES | 50 |
| 6 POLES | 50 |
| 8 POLES | 50 |
| 10 POLES | 50 |
| 12 POLES | 50 |

| POLES TO LOAD | AMPERES CONTINUOUS |
|---------------|-----------------------|
| 2 POLES | 50 |
| 3 POLES | 50 |
| 4 POLES | 50 |
| 6 POLES | 50 |
| 8 POLES | 50 |
| 10 POLES | 50 |
| 12 POLES | 50 |

50 AMP. DC
GENERAL 200 VDC MAX. 3 POLES IN SERIES

SWITCH IS SUITABLE FOR USE IN A CIRCUIT
CAPABLE OF DELIVERING NOT MORE THAN THE
RMS SYMMETRICAL CURRENT AT THE MAXIMUM
VOLTAGE INDICATED. WHEN USED IN A
CIRCUIT WITH A SHORT CIRCUIT CURRENT
EXCEEDING THE RATING OF THE LINE, THE
VALUES SHOULD BE USED.

| MAXIMUM TIME | MAXIMUM AC |
|--------------|------------|
| ANYWHERE | VOLTS |
| 25,000 | 250 |
| 15,000 | 400 |
| 10,000 | 600 |



| MODULE TERMINAL | CONNECT TO |
|--------------------|----------------------------------|
| 1 | NOT USED |
| 2 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 3 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 4 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 5 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 6 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 7 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 8 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 9 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 10 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 11 | CONTROL VOLTAGE FOR ACC. 48 & 49 |
| 12 | CONTROL VOLTAGE FOR ACC. 48 & 49 |

* FOR 24 VDC CONTROL MODULES
CONNECT TERMINAL 4 TO NEGATIVE (-)

- GENERAL NOTE
- WHEN CONTACTOR & LINE VOLTAGE ARE THE SAME, THE CONTACTOR CONTROL VOLTAGE CAN BE DERIVED FROM THE LINE POLS OF THE CONTACTOR SWITCH.
 - MAIN CONTACTS ARE SHOWN IN OPEN POSITION WITH CONTROL LINE DISCONNECTED. SEE 24 VDC RELAY (SWITCH SHOWN WITH CONTACTS CLOSED).
 - LINE & LOAD TERMINALS ARE REVERSIBLE.
 - CONTACTS ARE BREAK BEFORE, DOUBLE BREAK, WITH MOMENTARILY INTERRUPTED, DOUBLE COIL, OPERATOR MECHANICALLY HELD IN BOTH OPEN & CLOSED POSITIONS.
 - CONTROL CONNECTIONS TO LINE & LOAD WILL ACCEPT 250, 250/0 TO 250/0 HAVING COVER WITH TORQUE LINE POLS CONNECTION TO 18 IN. IN.
 - CONTROL CONNECTIONS TO ELECTRONIC MODULES (ACC. 48, 49, OR 49) WILL ACCEPT NO. 22 AWG TO 12 AWG COPPER WIRE. TORQUE CONTROL TERMINALS TO 21 IN. IN.
 - CONTROL MODULE VOLTAGE SUPPLIED BY CUSTOMER.

24306100401

last modified:

4/27/2021

