SIEMENS

Data sheet

US2:CLM2D06600



Mechanically held lighting contactor, Contactor amp rating 60A, 0 N.C. / 6 N.O. poles, 550VAC 50HZ/600VAC 60HZ coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

| product brand name | Class CLM |
|--|---|
| product brand name | |
| design of the product | Magnetically latched lighting contactor |
| special product feature | Energy efficient; Quiet operation |
| General technical data | |
| weight [lb] | 20 lb |
| Height x Width x Depth [in] | 16 × 13 × 6 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 |
| Contactor | |
| size of contactor | 60 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 |
| mechanical service life (switching cycles) of the main contacts typical | 1000000 |
| 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 |
| 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 | |

| operating range factor control supply voltage rated value of magnet coli 0.85 1.1 degree of protection NEMA rating of the enclosure design of the housing NEMA 12 enclosure dustprod and drip-proof for indoor use Mounting/wiring Wertical mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded Box lug tayler of the conductor for supply naximum permissible 75 °C material of the conductor for supply and side outgoing feeder 45 50 lbri in type of electrical connection for load-side outgoing feeder 1x (14 4 AWG) type of onenctable conductor for load-side outgoing feeder Box lug tightening torque [lbrin] for load-side outgoing feeder 45 50 lbrin type of alectrical connection for load-side outgoing feeder 1x (14 4 AWG) tartandd 75 °C maximum permissible AL or CU material of the conductor for load-side outgoing feeder 1x (14 4 AWG) tartandd Surtace tartandd Surtace tartandd Surtace maximum permissible AL | apparent holding power of magnet coil at AC | 80 VA |
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| degree of protection NEMA rating of the enclosure NEMA 12 enclosure design of the housing dustproof and drip-proof for indoor use Mounting/wiring mounting position Vertical fastening method Surface mounting and installation Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tot | | 0.85 1.1 |
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| mounting position Vertical fastering method Surface mounting and installation type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded Box lug temperature of the conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (14 4 AWG) material of the conductor for supply AL or CU type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder 45 50 lbFin type of electrical connection for load-side outgoing feeder 45 50 lbFin type of connectable conductor for supply AL or CU stranded 5° °C material of the conductor for load-side outgoing feeder 45 50 lbFin type of electrical connection for load-side outgoing feeder 1x (14 4 AWG) type of electrical connection for load-side outgoing feeder 75 °C material of the conductor for load-side outgoing feeder AL or CU type of electrical connection for magnet coil 8 12 lbFin type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded 2x (16 12 AWG) tightening torque [lbFin] at magnet coil 2x (16 12 AWG) toil at AWG cables single or multi-stranded 75 ° | design of the housing | dustproof and drip-proof for indoor use |
| 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 at 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 maximum permissible AL or CU type of electrical connection for load-side outgoing feeder Box lug tightening torque [lbf:in] for load-side outgoing feeder Box lug tightening torque [lbf:in] for load-side outgoing feeder 1x (14 4 AWG) cables for load-side outgoing feeder 1x (14 4 AWG) type of electrical connection for load-side outgoing feeder 1x (14 4 AWG) type of connectable conductor for load-side outgoing feeder 1x (14 4 AWG) type of connectable conductor for load-side outgoing feeder 1x (14 4 AWG) tightening torque [lbf:in] at magnet coil Screw-type terminals tightening torque [lbf:in] at magnet coil Screw-type terminals tightening torque [lbf:in] at magnet coil Screw-type terminals tightening torque [lbf:in] at magnet coil Xx (16 | Mounting/wiring | |
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| | | |
| permissibleAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf in] for load-side outgoing feeder45 50 lbf intype of connectable conductor ross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 4 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf in] at magnet coil8 12 lbf intype of connectable conductor at magnet coil2x (16 12 AWG)temperature of the conductor at magnet coil2x (16 12 AWG)tore at a single or multi-stranded75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coil2x (16 12 AWG)temperature of the conductor at magnet coilCUStort-circuit current ratingCUdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the fuse link for short-circuit current (lcu)5 kA• at 240 V5 kA• at 240 V5 kA• at 480 V5 kA | | 1x (14 4 AWG) |
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| Image: Construct of the conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 4 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf·in] at magnet coil8 12 lbf·intype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUShort-circuit current ratingCUdesign of the use link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (Icu) • at 240 V5 kA• at 480 V5 kA• at 600 V5 kA• | type of electrical connection for load-side outgoing feeder | Box lug |
| cables for load-side outgoing feeder single or multi- stranded75 °Ctemperature of the conductor for load-side outgoing feeder maximum permissibleAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf·in] at magnet coil8 12 lbf·intype of connectable conductor ar magnet coil2x (16 12 AWG)coil at AWG cables single or multi-stranded75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUbort-circuit current ratingCUcoil at AWG cables single or multi-strandedCUtemperature of the conductor at magnet coilCUmaterial of the conductor at magnet coilCUbort-circuit current ratingThermal magnetic circuit breakerdesign of the fuse link for short-circuit protection of the main circuit requiredThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (lcu)5 kAe at 480 V e at 480 V5 kAe at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | tightening torque [lbf·in] for load-side outgoing feeder | 45 50 lbf·in |
| maximum permissibleAL or CUmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf·in] at magnet coil8 12 lbf·intype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUShort-circuit current ratingCUdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (lcu) • at 240 V • at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | cables for load-side outgoing feeder single or multi- | 1x (14 4 AWG) |
| type of electrical connection of magnet coilScrew-type terminalstightening torque [lbf-in] at magnet coil8 12 lbf-intype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUCuestion of the fuse link for short-circuit protection of the main circuit requireddesign of the fuse link for short-circuit protection of the main circuit requirednonebreaking capacity maximum short-circuit current (Icu) • at 240 V • at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | | 75 °C |
| tightening torque [lbf-in] at magnet coil8 12 lbf-intype of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUCuShort-circuit current ratingdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (lcu) • at 240 V • at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | material of the conductor for load-side outgoing feeder | AL or CU |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUCuShort-circuit current ratingdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (Icu) • at 240 V • at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | type of electrical connection of magnet coil | Screw-type terminals |
| coil at AWG cables single or multi-stranded75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUShort-circuit current ratingdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (Icu) • at 240 V • at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | tightening torque [lbf·in] at magnet coil | 8 12 lbf·in |
| permissibleCUmaterial of the conductor at magnet coilCUShort-circuit current ratingcurrent ratingdesign of the fuse link for short-circuit protection of the main circuit requirednonedesign of the short-circuit tripThermal magnetic circuit breakerbreaking capacity maximum short-circuit current (Icu) • at 240 V5 kA• at 480 V • at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | | 2x (16 12 AWG) |
| Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required 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 • at 600 V 5 kA certificate of suitability | | 75 °C |
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| main circuit required Thermal magnetic circuit breaker design of the short-circuit trip Thermal magnetic circuit breaker breaking capacity maximum short-circuit current (Icu) 5 kA • at 240 V 5 kA • at 480 V 5 kA • at 600 V 5 kA certificate of suitability NEMA ICS 2; UL 508A | Short-circuit current rating | |
| breaking capacity maximum short-circuit current (Icu)• at 240 V5 kA• at 480 V5 kA• at 600 V5 kAcertificate of suitabilityNEMA ICS 2; UL 508A | | none |
| • at 240 V 5 kA • at 480 V 5 kA • at 600 V 5 kA certificate of suitability NEMA ICS 2; UL 508A | design of the short-circuit trip | Thermal magnetic circuit breaker |
| • at 480 V 5 kA • at 600 V 5 kA certificate of suitability NEMA ICS 2; UL 508A | breaking capacity maximum short-circuit current (Icu) | |
| • at 600 V 5 kA certificate of suitability NEMA ICS 2; UL 508A | • at 240 V | 5 kA |
| certificate of suitability NEMA ICS 2; UL 508A | • at 480 V | 5 kA |
| | • at 600 V | 5 kA |
| Further information | certificate of suitability | NEMA ICS 2; UL 508A |
| | Further information | |

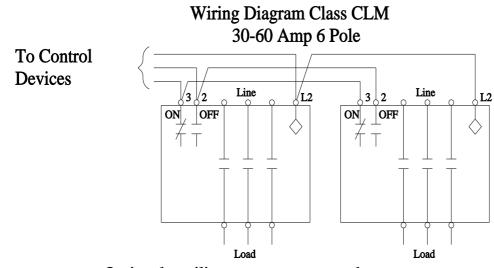
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM2D06600

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM2D06600

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:CLM2D06600&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM2D06600/certificate



Optional auxiliary contacts are not shown.

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