SIEMENS

Data sheet US2:LCE00C200480A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 2 N.C. / 0 N.O. poles, 460-480V 60Hz/440V 50Hz coil, Noncombination type, Enclosure NEMA type (open), No enclosure

| product brand name | Class LC |
|---|---|
| design of the product | Electrically held lighting contactor (convertible to mechanically held) |
| special product feature | Electrically held convertible to mechanically held; Power poles convertible between NO and NC |
| General technical data | |
| weight [lb] | 2 lb |
| Height x Width x Depth [in] | 7.39 × 4.18 × 3.86 in |
| touch protection against electrical shock | Main circuit (finger-safe); Control circuit (finger-safe) |
| installation altitude [ft] at height above sea level maximum | 6560 ft |
| ambient temperature [°F] | |
| during storage | -22 +149 °F |
| during operation | -13 +104 °F |
| ambient temperature | |
| during storage | -30 +65 °C |
| during operation | -25 +40 °C |
| country of origin | USA |
| Contactor | |
| size of contactor | 30 Amp |
| number of NO contacts for main contacts | 0 |
| number of NC contacts for main contacts | 2 |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| Type of main contacts | Silver alloy, double break |
| mechanical service life (operating cycles) of the main contacts typical | 100000 |
| contact rating of the main contacts of lighting contactor | |
| with electronic ballast [LED driver] (1 pole per 1 phase) rated value | 10A @120V / 3A @277V 1p 1ph |
| at tungsten (1 pole per 1 phase) rated value | 20A @277V 1p 1ph |
| at tungsten (2 poles per 1 phase) rated value | 20A @480V 2p 1ph |
| at tungsten (3 poles per 3 phases) rated value | 20A @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 @600V 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 |

| type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value aparent plck-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent power of magnet coil apparent power of the conductor for load-side outgoing feeder ameterial of the conductor at magnet coil byse of connectable conductor at magnet coil byse of connectable conductor or magnet coil apparent power of the conductor at magnet coil apparent p | contact rating of auxiliary contacts of contactor according to UL | NA |
|--|---|-----------------------------------|
| type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value • at AC at 50 Hz rated value 440 V 480 480 V apparent plok-up power of magnet coil at AC 248 VA apparent ploking power of magnet coil at AC 289 VA operating range factor control supply voltage rated value of magnet coil firefosuro degree of protection NEIMA rating of the enclosure Open device (no enclosure) design of the housing Mounting position Vertical Satingar method Surface mounting and installation type of electrical connection for supply voltage line-side stightening torque [Ibf-in] for supply Yep of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded emperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder flightening torque [Ibf-in] for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor or incla-side outgoing feeder maximum permissible material of the conductor rangent coil tightening torque [Ibf-in] for load-side outgoing feeder maximum permissible material of the conductor rangent coil tightening torque [Ibf-in] for load-side outgoing feeder maximum permissible To CU Stort-circuit current rating design of the tisse link for short-circuit protection of the main circuit required design of the tisse link for short-circuit protection of the main circuit required and the conductor of magnet coil and the conductor of | | |
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| maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508 | | 2x (14 8 AWG) |
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| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508 | type of electrical connection of magnet coil | Screw-type terminals |
| AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 65 kA at 600 V certificate of suitability NEMA ICS 2; UL 508 | tightening torque [lbf·in] at magnet coil | 15 15 lbf·in |
| permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 65 kA at 600 V certificate of suitability NEMA ICS 2; UL 508 | | 2x (18 14 AWG) |
| design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508 | | 75 °C |
| design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 600 V certificate of suitability 100kA@600V (Class R or J 40A max) Thermal magnetic circuit breaker 24 kA 65 kA 25 kA | material of the conductor at magnet coil | CU |
| circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508 | Short-circuit current rating | |
| maximum short-circuit current breaking capacity (Icu) • at 240 V | | 100kA@600V (Class R or J 40A max) |
| at 240 V at 480 V at 600 V certificate of suitability 24 kA 65 kA NEMA ICS 2; UL 508 | design of the short-circuit trip | Thermal magnetic circuit breaker |
| • at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508 | maximum short-circuit current breaking capacity (Icu) | |
| at 600 V certificate of suitability NEMA ICS 2; UL 508 | ● at 240 V | 24 kA |
| certificate of suitability NEMA ICS 2; UL 508 | • at 480 V | 65 kA |
| | • at 600 V | 25 kA |
| Further information | certificate of suitability | NEMA ICS 2; UL 508 |
| | 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:LCE00C200480A

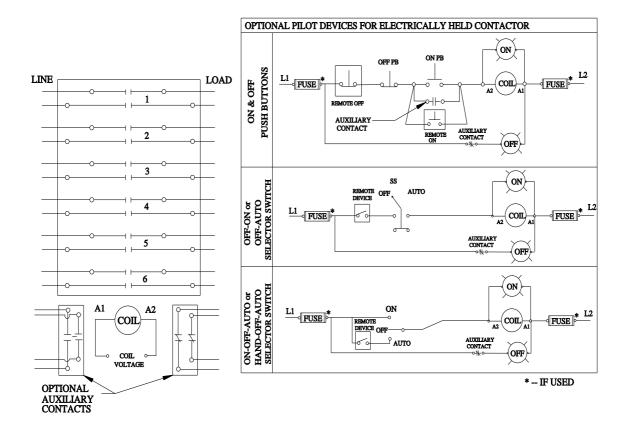
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C200480A

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:LCE00C200480A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C200480A/certificate





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last modified: 4/5/2023 🖸

