SIEMENS

Data sheet US2:LCE02C402120A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 4 N.C. / 2 N.O. poles, 115-120V 60Hz/110V 50Hz coil, Noncombination type, Enclosure NEMA type 12, Dust/drip proof for indoors

| 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] | 19 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 |
| 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 | 2 |
| number of NC contacts for main contacts | 4 |
| 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 |

| 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 | 110 V |
| at AC at 60 Hz rated value | 115 120 V |
| apparent pick-up power of magnet coil at AC | 248 VA |
| apparent holding power of magnet coil at AC | 28 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 | NEMA Type 12 |
| design of the housing | dustproof and drip-proof for indoor use |
| 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 | 35 35 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 | 35 35 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 | 15 15 lbf·in |
| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded | 2x (18 14 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 | 100kA@600V (Class R or J 40A max) |
| design of the short-circuit trip | Thermal magnetic circuit breaker |
| maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 24 kA |
| ● at 480 V | 65 kA |
| • at 600 V | 25 kA |
| 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:LCE02C402120A

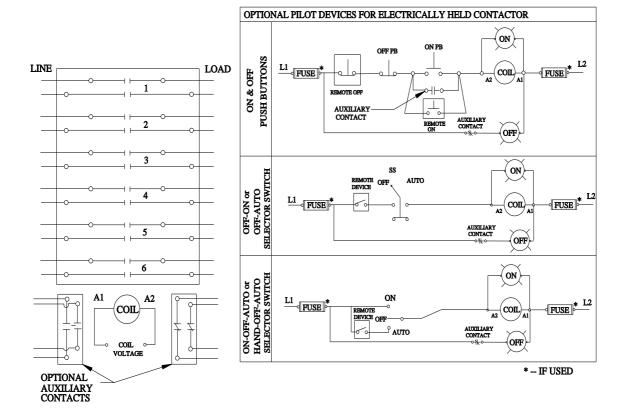
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C402120A

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:LCE02C402120A&lang=en

Certificates/approvals

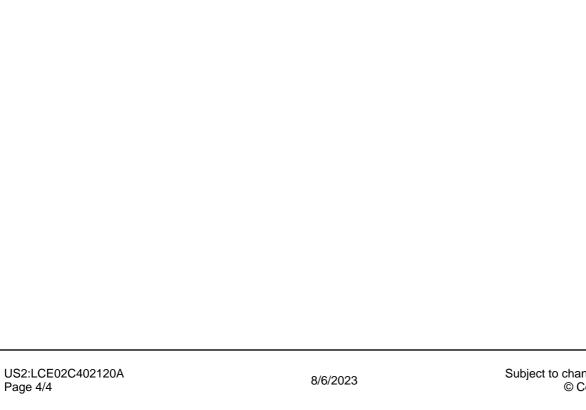
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