SIEMENS

Data sheet

US2:LCE01C108208A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 8 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



Figure similar

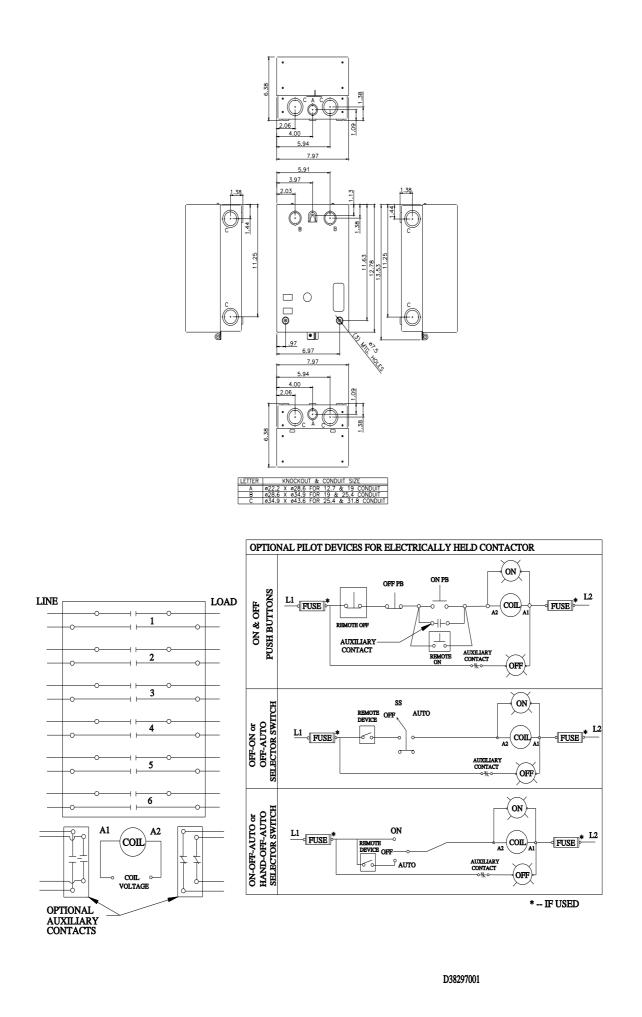
| weight [ib] 11 lb Height x Width x Depth [in] 14 × 8 × 7 in NA for enclosed products installation altitude [ft] at height above sea level maximum installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [°F] -22 +149 °F • during operation -13 +104 °F ambient temperature -30 +65 °C • during operation -25 +40 °C country of origin USA iontactor 30 Amp inumber of NC contacts for main contacts 8 number of NC contacts for main contacts 1 for per main contacts 1 operating voltage for main current circuit at AC at 60 Hz 8 number of NC contacts for main contacts 1 ontactor Silver alloy, double break Type of main contacts 100000 contact typical 20A @277V 1p 1ph e at tungsten (1 pole per 1 phase) rated value 20A @480V 2p 1ph e at ballast (1 pole per 1 phase) rated value 30A @600V 2p 1ph e at ballast (2 poles per 1 phase) rated value 30A @600V 2p 1ph e at ballast (2 poles per 1 phase) rated value 30A @600V 3p 3ph | rigoresinna | |
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| special product feature Electrically held convertible to mechanically held; Power poles convertible between NO and NC weight [b] 11 lb Height x Width x Depth [in] 14 x 8 x 7 in touch protection against electrical shock NA for enclosed products instalation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [Ft] - 4 uring storage - during operation - 30 + 65 °C - during operation - 30 + 65 °C - during operation - 25 + 40 °C country of origin USA Ontactor 30 Amp number of NC contacts for main contacts 8 number of NC contacts for main contacts 1 operating voltage for main contacts 100000 waximum 500 V maximum 100000 ortacts typical 20A @277V 1p 1ph ott ungsten (2 poles per 1 phase) rated value 20A @480V 2p 1ph ot at langsten (2 poles per 1 phase) rated value 30A @600V 1p 1ph ot at langsten (3 poles per 3 phases) rated value 30A @600V 2p 1ph ot at langsten (3 poles per 1 phase) rated value 30A @600V 2 | product brand name | Class LC |
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| mechanical service life (switching cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (6 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (6 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (7 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (6 poles per 3 phases) rated value30A @600V | | 600 V |
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| at tungsten (1 pole per 1 phase) rated value 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 (2 poles per 3 phases) rated value 30A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph | | 100000 |
| at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at a phase of NC contacts for auxiliary contacts o | contact rating of the main contacts of lighting contactor | |
| at tungsten (3 poles per 3 phases) rated value 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 (2 poles per 1 phase) rated value 30A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph | at tungsten (1 pole per 1 phase) rated value | 20A @277V 1p 1ph |
| at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive rate rate rate rate rate rate rate rat | at tungsten (2 poles per 1 phase) rated value | 20A @480V 2p 1ph |
| at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resisted value at resister load (3 poles per 3 phases)<!--</td--><td> at tungsten (3 poles per 3 phases) rated value </td><td>20A @480V 3p 3ph</td> | at tungsten (3 poles per 3 phases) rated value | 20A @480V 3p 3ph |
| at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph 30A @600V 3p 3ph | at ballast (1 pole per 1 phase) rated value | 30A @347V 1p 1ph |
| at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph 30A @600V 3p 3ph | at ballast (2 poles per 1 phase) rated value | 30A @600V 2p 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 30A @600V 3p 3ph | at ballast (3 poles per 3 phases) rated value | 30A @600V 3p 3ph |
| at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph axxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 | at resistive load (1 pole per 1 phase) rated value | 30A @600V 1p 1ph |
| number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 | at resistive load (2 poles per 1 phase) rated value | 30A @600V 2p 1ph |
| number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 | at resistive load (3 poles per 3 phases) rated value | 30A @600V 3p 3ph |
| number of NO contacts for auxiliary contacts 0 | Auxiliary contact | |
| | number of NC contacts for auxiliary contacts | 0 |
| number of total auxiliary contacts maximum 4 | 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 60 Hz rated value | 200 208 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 1 |
| design of the housing | indoors, usable on a general basis |
| 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 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 | 35 35 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 | 15 15 lbf·in |
| type of connectable conductor cross-sections of magnet coil at 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 |
| breaking capacity maximum short-circuit current (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, Brochu www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product Service&Support (Manuals, Certificates, Characteristics, | t?mlfb=US2:LCE01C108208A |

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https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C108208A/certificate



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