SIEMENS

Data sheet

US2:LCE01C110240A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 10 N.O. poles, 230-240V 60Hz/220V 50Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use





Figure similar

| 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] | 12 lb |
| Height x Width x Depth [in] | 14 × 8 × 7 in |
| 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 | 10 |
| Number of NC contacts for main contacts | 1 |
| Operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| Mechanical service life (switching cycles) of the main contacts typical | 100000 |
| Contact rating of the main contacts of lighting contactor | |
| 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 | 220 V |
| • at AC at 60 Hz rated value | 230 240 V |
| Apparent pick-up power of magnet coil at AC | 248 V·A |
| Apparent holding power of magnet coil at AC | 28 V·A |
| 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 | Indoor general purpose use |
| | |
| Mounting/wiring Mounting position | Vertical |

| Mounting type | 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 conductors 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 conductors 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 conductors 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 | |

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

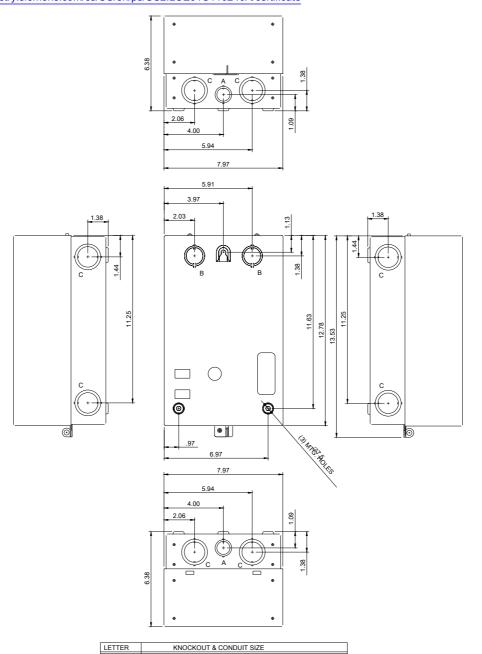
Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C110240A

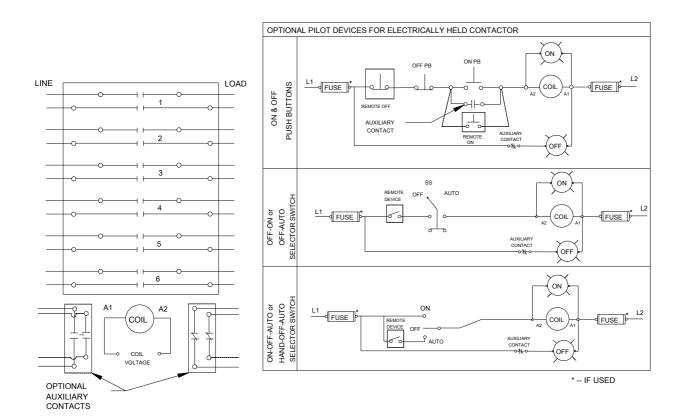
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C110240A

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:LCE01C110240A&lang=en



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