SIEMENS

Data sheet

US2:LCE01C108024A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 8 N.O. poles, 24V 60Hz / 20V 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] | 11 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 | 8 |
| 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 | |
| Auxiliary contact Number of NC contacts for auxiliary contacts | 0 |
| | 0 0 |
| Number of NC contacts for auxiliary contacts | |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts | 0 |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor | 0 4 |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL | 0 4 |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil | 0 4 NA |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage | 0 4 NA |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage Control supply voltage | 0 4 NA AC |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value | 0 4 NA AC 20 V |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value | 0 4 NA AC 20 V 24 V |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC | 0 4 NA AC 20 V 24 V 248 V·A |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC | 0 4 NA AC 20 V 24 V 248 V·A 28 V·A |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated | 0 4 NA AC 20 V 24 V 248 V·A 28 V·A |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil | 0 4 NA AC 20 V 24 V 248 V·A 28 V·A |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage Control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Enclosure | 0 4 NA AC 20 V 24 V 248 V·A 28 V·A 0.85 1.1 |
| Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Enclosure Degree of protection NEMA rating of the enclosure | 0 4 NA AC 20 V 24 V 248 V·A 28 V·A 0.85 1.1 NEMA Type 1 |

| 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) | |

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|--|--------------------|
| • 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

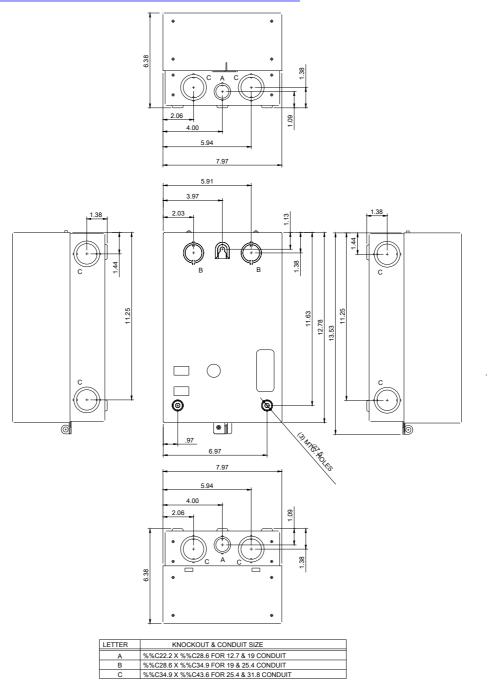
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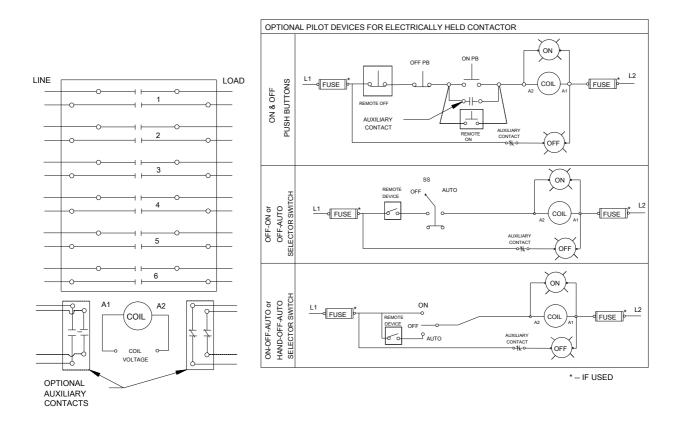
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