SIEMENS

Data sheet

US2:LEN00H003024A



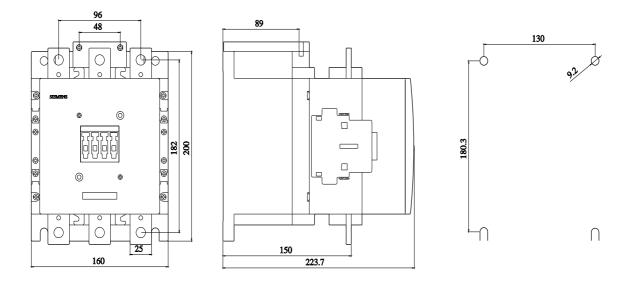
Electrically held lighting contactor, Contactor amp rating 400A, 0 N.C. / 3 N.O. Poles, 24VAC 50/60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type (open), No enclosure

| Figure | similar |
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| product brand name | Class LE |
|--|---|
| design of the product | Electrically held lighting contactor |
| special product feature | Compact design; Finger safe control terminals |
| General technical data | |
| weight [lb] | 26 lb |
| Height x Width x Depth [in] | 8.16 × 6.53 × 9.14 in |
| touch protection against electrical shock | Main circuit (not finger-safe); Control circuit (finger-safe) |
| installation altitude [ft] at height above sea level maximum | 6560 ft |
| ambient temperature [°F] | |
| during storage | -67 +176 °F |
| during operation | 32 104 °F |
| ambient temperature | |
| during storage | -55 +80 °C |
| during operation | 0 40 °C |
| country of origin | Germany |
| Contactor | |
| size of contactor | 400 Amp |
| number of NO contacts for main contacts | 3 |
| number of NC contacts for main contacts | 0 |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| mechanical service life (switching cycles) of the main contacts typical | 1000000 |
| contact rating of the main contacts of lighting contactor | |
| at tungsten (1 pole per 1 phase) rated value | 400A @277V 1p 1ph |
| at tungsten (2 poles per 1 phase) rated value | 400A @480V 2p 1ph |
| at tungsten (3 poles per 3 phases) rated value | 400A @480V 3p 3ph |
| at ballast (1 pole per 1 phase) rated value | 400A @277V 1p 1ph |
| at ballast (2 poles per 1 phase) rated value | 400A @480V 2p 1ph |
| at ballast (3 poles per 3 phases) rated value | 400A @480V 3p 3ph |
| at resistive load (1 pole per 1 phase) rated value | 400A @600V 1p 1ph |
| at resistive load (2 poles per 1 phase) rated value | 400A @600V 2p 1ph |
| at resistive load (3 poles per 3 phases) rated value | 400A @600V 3p 3ph |
| Auxiliary contact | |
| number of NC contacts at contactor for auxiliary contacts | 2 |
| number of NO contacts at contactor for auxiliary contacts | 2 |
| number of total auxiliary contacts maximum | 4 |
| contact rating of auxiliary contacts of contactor according to UL | A300 / Q300 |

| Coil | | |
|--|--------------------------------------|--|
| type of voltage of the control supply voltage | AC/DC | |
| control supply voltage | | |
| at DC rated value | 23 26 V | |
| • at AC at 50 Hz rated value | 23 26 V | |
| at AC at 60 Hz rated value | 23 26 V | |
| apparent pick-up power of magnet coil at AC | 830 VA | |
| apparent holding power of magnet coil at AC | 9.2 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 | Open device (no enclosure) | |
| design of the housing | NA | |
| 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 | 180 195 lbf·in | |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded | 2x (2/0 AWG 500 MCM) | |
| 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 | 180 195 lbf·in | |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded | 2x (2/0 AWG 500 MCM) | |
| 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 | 7 10 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 | |
| type of electrical connection at contactor for auxiliary contacts | Screw-type terminals | |
| tightening torque [lbf·in] at contactor for auxiliary contacts | 7 10 lbf·in | |
| type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded | 2x (18 14 AWG) | |
| temperature of the conductor at contactor for auxiliary contacts maximum permissible | 75 °C | |
| material of the conductor at contactor for auxiliary contacts | CU | |
| Short-circuit current rating | | |
| design of the fuse link for short-circuit protection of the main circuit required | 100kA@600V (Class J 600A max) | |
| design of the short-circuit trip | Thermal magnetic circuit breaker | |
| breaking capacity maximum short-circuit current (Icu) | | |
| • at 240 V | 100 kA | |
| ● at 480 V | 100 kA | |
| • at 600 V | 42 kA | |
| certificate of suitability | NEMA ICS 2; UL 508; CSA 22.2, No. 14 | |
| 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:LEN00H003024A Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00H003024A Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) | | |
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http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN00H003024A&lang=en Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00H003024A/certificate



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