



Figure similar

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 3 N.C. / 7 N.O. poles, 230-240V 60Hz/220V 50Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

product brand name  
design of the product  
special product feature

Class LC  
Electrically held lighting contactor (convertible to mechanically held)  
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                      |

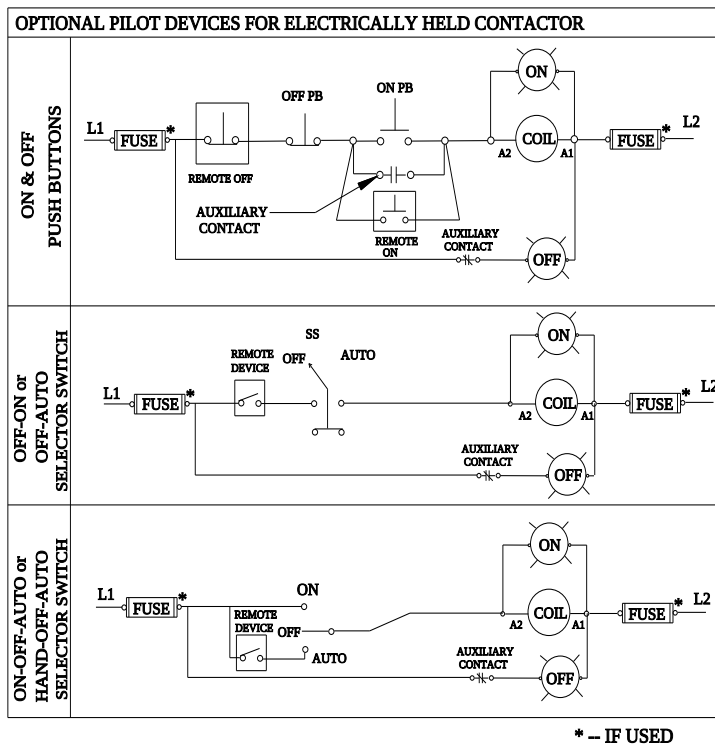
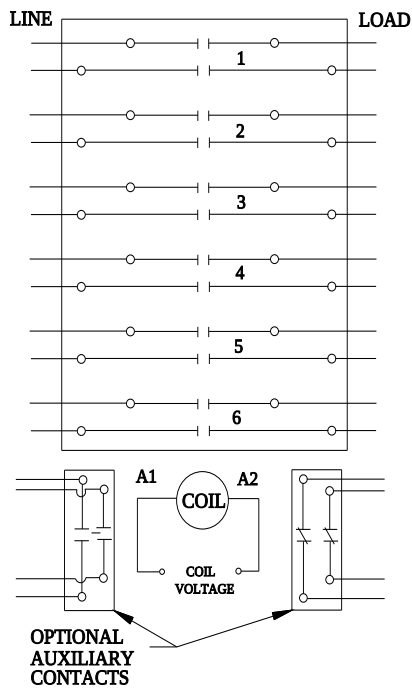
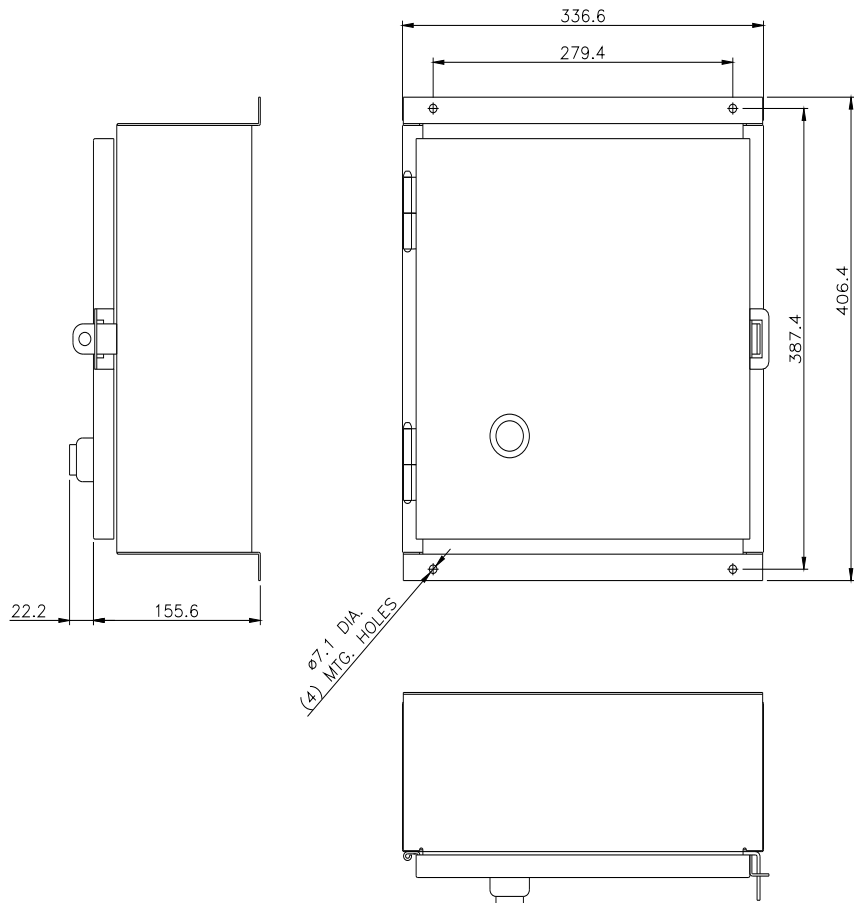
### Contactors

|                                                                         |                             |
|-------------------------------------------------------------------------|-----------------------------|
| size of contactor                                                       | 30 Amp                      |
| number of NO contacts for main contacts                                 | 7                           |
| number of NC contacts for main contacts                                 | 3                           |
| 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               |                             |
| • at 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                                      |
| <b>Coil</b>                                                                                                                                                                                   |                                         |
| 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 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                            |
| <b>Enclosure</b>                                                                                                                                                                              |                                         |
| degree of protection NEMA rating of the enclosure                                                                                                                                             | NEMA Type 12                            |
| design of the housing                                                                                                                                                                         | dustproof and drip-proof for indoor use |
| <b>Mounting/wiring</b>                                                                                                                                                                        |                                         |
| 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                                      |
| <b>Short-circuit current rating</b>                                                                                                                                                           |                                         |
| 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                      |
| <b>Further information</b>                                                                                                                                                                    |                                         |
| <b>Industrial Controls - Product Overview (Catalogs, Brochures,...)</b>                                                                                                                       |                                         |
| <a href="http://www.usa.siemens.com/iccatalog">www.usa.siemens.com/iccatalog</a>                                                                                                              |                                         |
| <b>Industry Mall (Online ordering system)</b>                                                                                                                                                 |                                         |
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| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b>                                                                          |                                         |
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| <b>Certificates/approvals</b>                                                                                                                                                                 |                                         |
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