



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O.  
Poles, 600VAC 60HZ coil, Combination type, 20A circuit breaker, Enclosure NEMA type 12, Dust/drip proof for indoors

|                                                                         |                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------|
| product brand name                                                      | Class LE                                                  |
| design of the product                                                   | Electrically held lighting contactor with circuit breaker |
| special product feature                                                 | Compact design; Finger safe control terminals             |
| <b>General technical data</b>                                           |                                                           |
| weight [lb]                                                             | 27 lb(av)                                                 |
| Height x Width x Depth [in]                                             | 24 × 11 × 8 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                                                        | -67 ... +176 °F                                           |
| • during operation                                                      | 32 ... 104 °F                                             |
| ambient temperature                                                     |                                                           |
| • during storage                                                        | -55 ... +80 °C                                            |
| • during operation                                                      | 0 ... 40 °C                                               |
| country of origin                                                       | USA                                                       |
| <b>Contactor</b>                                                        |                                                           |
| size of contactor                                                       | 20 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 (operating cycles) of the main contacts typical | 30000000                                                  |
| contact rating of the main contacts of lighting contactor               |                                                           |
| • with electronic ballast [LED driver] (1 pole per 1 phase) rated value | 8A @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                           | 20A @347V 1p 1ph                                          |
| • at ballast (2 poles per 1 phase) rated value                          | 20A @600V 2p 1ph                                          |
| • at ballast (3 poles per 3 phases) rated value                         | 20A @600V 3p 3ph                                          |
| • at resistive load (1 pole per 1 phase) rated value                    | 20A @600V 1p 1ph                                          |
| • at resistive load (2 poles per 1 phase) rated value                   | 20A @600V 2p 1ph                                          |
| • at resistive load (3 poles per 3 phases) rated value                  | 20A @600V 3p 3ph                                          |
| <b>Auxiliary contact</b>                                                |                                                           |
| number of NC contacts at contactor for auxiliary contacts               | 0                                                         |
| number of NO contacts at contactor for auxiliary contacts               | 1                                                         |
| number of total auxiliary contacts maximum                              | 4                                                         |
| contact rating of auxiliary contacts of contactor according to UL       | A600 / Q600                                               |
| <b>Coil</b>                                                             |                                                           |

|                                                                                                                          |                                                      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| type of voltage of the control supply voltage                                                                            | AC                                                   |
| control supply voltage                                                                                                   |                                                      |
| • at AC at 60 Hz rated value                                                                                             | 600 V                                                |
| apparent pick-up power of magnet coil at AC                                                                              | 31.7 VA                                              |
| apparent holding power of magnet coil at AC                                                                              | 4.8 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 3R (convertible), 4, 12 enclosure          |
| design of the housing                                                                                                    | Dust-tight, watertight & weather proof               |
| <b>Circuit Breaker</b>                                                                                                   |                                                      |
| type of the motor protection                                                                                             | Circuit breaker with thermal and fixed magnetic trip |
| operational current of motor circuit breaker rated value                                                                 | 20 A                                                 |
| <b>Mounting/wiring</b>                                                                                                   |                                                      |
| mounting position                                                                                                        | Vertical                                             |
| fastening method                                                                                                         | Surface mounting and installation                    |
| type of electrical connection for supply voltage line-side                                                               | Box lug                                              |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                        | 1x (14 ... 10 AWG) or 1x (12 ... 10 AWG)             |
| temperature of the conductor for supply maximum permissible                                                              | 75 °C                                                |
| material of the conductor for supply                                                                                     | AL or CU                                             |
| type of electrical connection for load-side outgoing feeder                                                              | Screw-type terminals                                 |
| tightening torque [lbf-in] for load-side outgoing feeder                                                                 | 7 ... 12 lbf-in                                      |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded       | 2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 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                                                                                | 7 ... 10 lbf-in                                      |
| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded                      | 2x (20 ... 16 AWG), 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 ... 12 lbf-in                                      |
| type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded | 2x (20 ... 16 AWG), 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                                                   |
| <b>Short-circuit current rating</b>                                                                                      |                                                      |
| design of the short-circuit trip                                                                                         | Thermal magnetic circuit breaker                     |
| maximum short-circuit current breaking capacity (Icu)                                                                    |                                                      |
| • at 240 V                                                                                                               | 5 kA                                                 |
| • at 480 V                                                                                                               | 5 kA                                                 |
| • at 600 V                                                                                                               | 5 kA                                                 |
| certificate of suitability                                                                                               | NEMA ICS 2; UL 508                                   |
| <b>Approvals Certificates</b>                                                                                            |                                                      |
| <b>Test Certificates</b>                                                                                                 |                                                      |



#### Further information

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

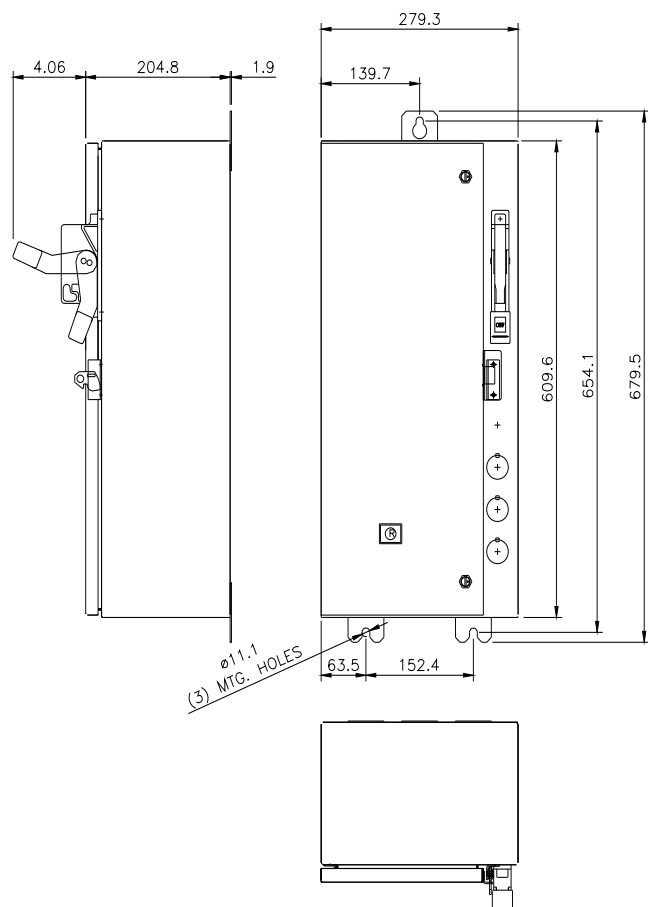
[www.usa.siemens.com/iccatalog](http://www.usa.siemens.com/iccatalog)

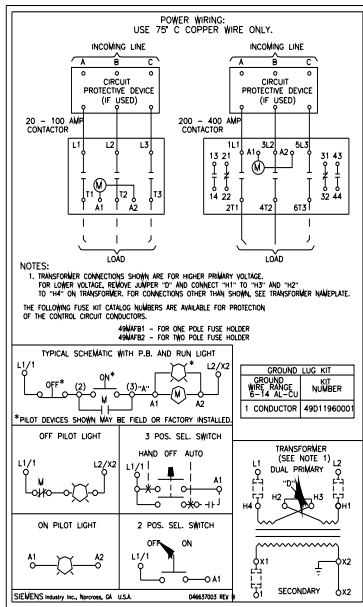
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEBT2B003600B>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEBT2B003600B>





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