

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 9 N.O. poles, 24V 60Hz / 20V 50Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors



Figure similar

| General technical data  |                          |
|---|--------------------------|
| Weight [lb]   | 19 lb                    |
| Height x Width x Depth [in]   | 16 × 13 × 6 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          |
| Ambient temperature [°F] during operation                               | -13 ... +104 °F          |
| Ambient temperature during storage                                      | -30 ... +65 °C           |
| Ambient temperature during operation                                    | -25 ... +40 °C           |
| Country of origin   | USA                      |
| Contactor   |                          |
| Number of NO contacts for main contacts                                 | 9                        |
| 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  |   |
| <ul style="list-style-type: none"> <li>• at tungsten (1 pole per 1 phase) rated value</li> <li>• at tungsten (2 poles per 1 phase) rated value</li> <li>• at tungsten (3 poles per 3 phases) rated value</li> <li>• at ballast (1 pole per 1 phase) rated value</li> <li>• at ballast (2 poles per 1 phase) rated value</li> <li>• at ballast (3 poles per 3 phases) rated value</li> <li>• at resistive load (1 pole per 1 phase) rated value</li> <li>• at resistive load (2 poles per 1 phase) rated value</li> <li>• at resistive load (3 poles per 3 phases) rated value</li> </ul> | <p>20A @277V 1p 1ph</p> <p>20A @480V 2p 1ph</p> <p>20A @480V 3p 3ph</p> <p>30A @347V 1p 1ph</p> <p>30A @600V 2p 1ph</p> <p>30A @600V 3p 3ph</p> <p>30A @600V 1p 1ph</p> <p>30A @600V 2p 1ph</p> <p>30A @600V 3p 3ph</p> |

| 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  |  |
| <ul style="list-style-type: none"> <li>• at DC rated value</li> <li>• at AC at 60 Hz rated value</li> <li>• at AC at 50 Hz rated value</li> </ul> | <p>0 ... 0 V</p> <p>24 ... 24 V</p> <p>20 ... 20 V</p> |
| 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 12                          |
| Design of the housing                             | Dust tight and drip proof for indoors |

| 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 (I <sub>cu</sub> )                |                                   |
| • at 240 V  | 24 kA                             |
| • at 480 V  | 65 kA                             |
| • at 600 V  | 25 kA                             |

#### 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:LCE02C109024A>

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

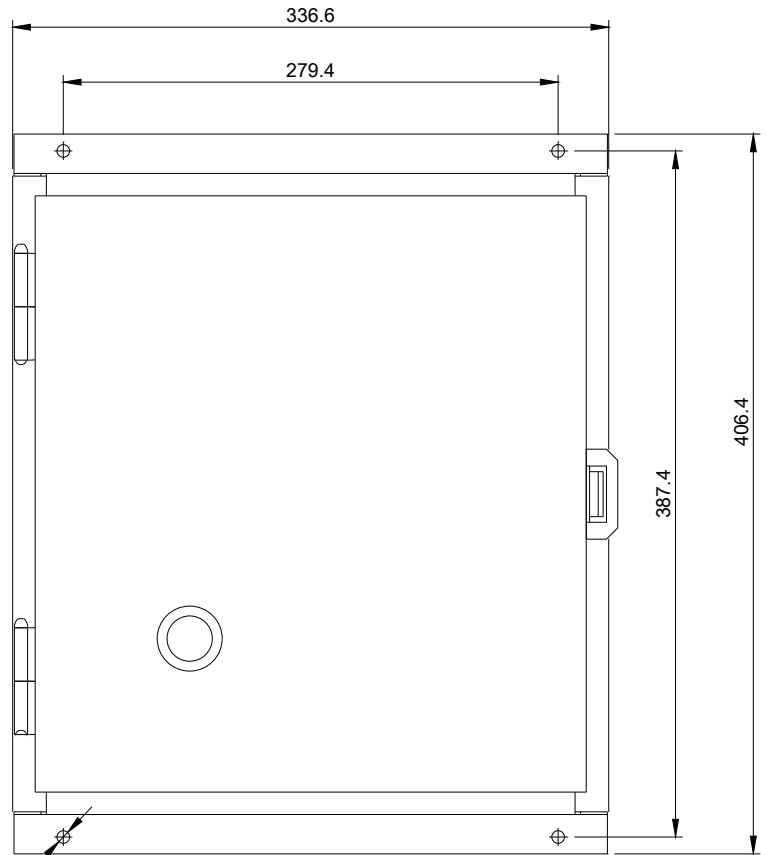
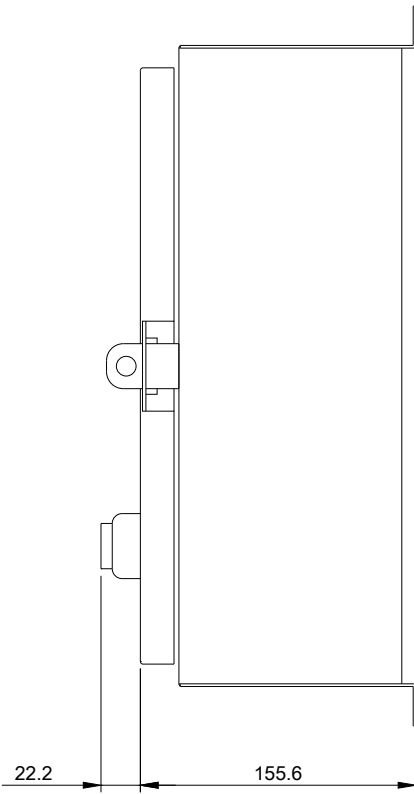
<https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C109024A>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

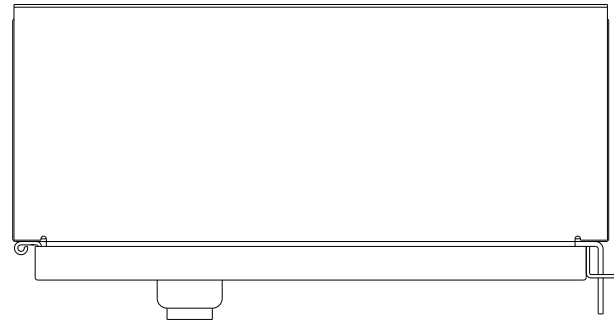
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:LCE02C109024A&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LCE02C109024A&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C109024A/certificate>



(4) M7C HOLES





OPTIONAL  
AUXILIARY  
CONTACTS



\* -- IF USED

D38297001

last modified:

08/12/2019