

Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 220VAC 50HZ/240VAC 60HZ coil, Combination type, 100A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive



Figure similar

| General technical data  |                          |
|---|--------------------------|
| Weight [lb]   | 29 lb                    |
| Height x Width x Depth [in]   | 24 × 11 × 8 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                                 | -67 ... +176 °F          |
| Ambient temperature [°F] during operation                               | 32 ... 104 °F            |
| Ambient temperature during storage                                      | -55 ... +80 °C           |
| Ambient temperature during operation                                    | 0 ... 40 °C              |
| Country of origin   | USA                      |
| Contactor   |                          |
| 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 | 10000000                 |

|  |  |
|--|--|
| 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>100A @277V 1p 1ph</p> <p>100A @480V 2p 1ph</p> <p>100A @480V 3p 3ph</p> <p>100A @600V 1p 1ph</p> <p>100A @600V 2p 1ph</p> <p>100A @600V 3p 3ph</p> <p>100A @600V 1p 1ph</p> <p>100A @600V 2p 1ph</p> <p>100A @600V 3p 3ph</p> |

| Auxiliary contact   |    |
|---|----|
| Number of NC contacts at contactor for auxiliary contacts         | 0  |
| Number of NO contacts at contactor for auxiliary contacts         | 0  |
| Number of total auxiliary contacts maximum                        | 8  |
| 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>240 ... 240 V</p> <p>220 ... 220 V</p> |
| Apparent pick-up power of magnet coil at AC   | 300 V·A  |
| Apparent holding power of magnet coil at AC   | 21 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 4X 304 stainless steel enclosure        |
| Design of the housing                             | Dust-tight, watertight & corrosion resistant |

| Motor Circuit Protector (magnetic trip only)           |       |
|--|-------|
| Operating current of motor circuit breaker rated value | 100 A |

| Mounting/wiring  |                                   |
|--|-----------------------------------|
| Mounting position  | Vertical                          |
| (mounting type)  | Surface mounting and installation |
| Type of electrical connection for supply voltage line-side | Box lug                           |

|   |  |
|---|--|
| Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded                  | 1x (10 ... 1/0 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  | 36 ... 53 lbf-in                         |
| Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded | 2x (10 ... 1/0 AWG), 1x (10 ... 2/0 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 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 short-circuit trip   | Thermal magnetic circuit breaker |
| Maximum short-circuit current breaking capacity (Icu)  |                                  |
| <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul> | 25 kA<br>25 kA<br>18 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:LEBZ4E003240B>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEBZ4E003240B>

**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:LEBZ4E003240B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEBZ4E003240B&lang=en)

**Certificates/approvals**

<https://support.industry.siemens.com/cs/US/en/ps/US2:LEBZ4E003240B/certificate>



