

Electrically held lighting contactor, Contactor amp rating 20A, 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

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]	1 lb
Height x Width x Depth [in]	2.35 × 1.84 × 2.98 in
Protection against electrical shock	Main circuit (finger-safe); Control circuit (finger-safe)
Installation altitude [ft] at height above sea level maximum	6560 ft
Ambient temperature [°F]	
<ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>	-67 ... +176 °F 32 ... 104 °F
Ambient temperature	
<ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>	-55 ... +80 °C 0 ... 40 °C
Country of origin	Germany

## Contactor

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 (switching cycles) of the main contacts typical	30000000
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>20A @347V 1p 1ph</p> <p>20A @600V 2p 1ph</p> <p>20A @600V 3p 3ph</p> <p>20A @600V 1p 1ph</p> <p>20A @600V 2p 1ph</p> <p>20A @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	1
Number of total auxiliary contacts maximum	4
Contact rating of auxiliary contacts of contactor according to UL	A600 / Q600

#### Coil

Type of voltage of the control supply voltage	AC
Control supply voltage	
<ul style="list-style-type: none"> <li>• at AC at 60 Hz rated value</li> </ul>	24 V
Apparent pick-up power of magnet coil at AC	31.7 V·A
Apparent holding power of magnet coil at AC	4.8 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	Open device (no enclosure)
Design of the housing	NA

#### Mounting/wiring

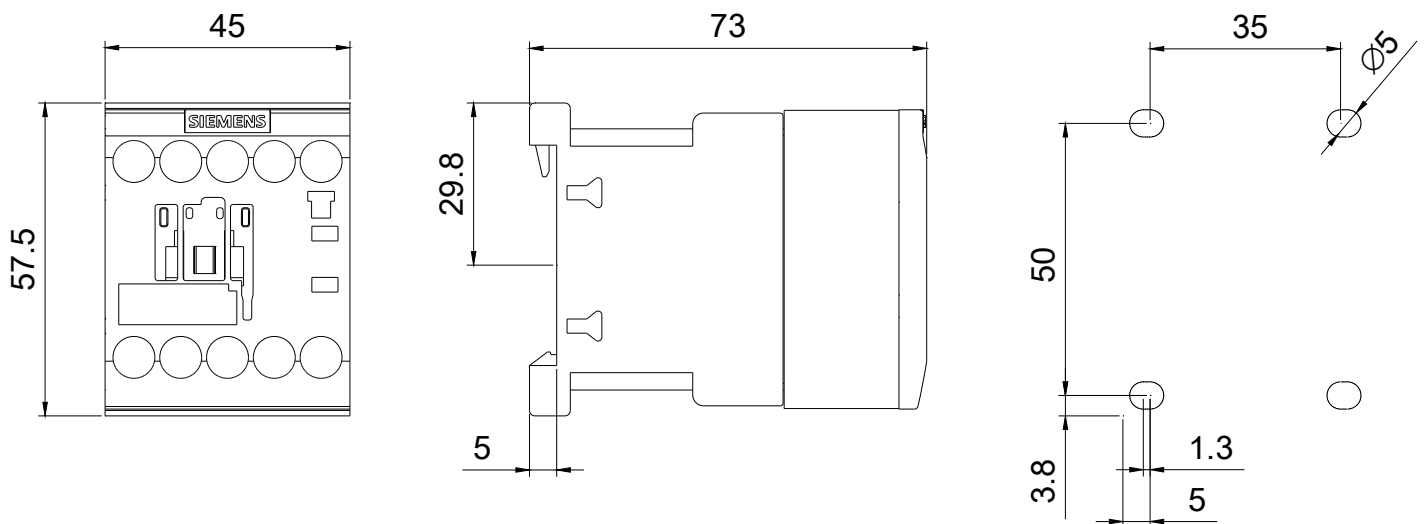
Mounting position	Vertical
Mounting type	Surface mounting and installation

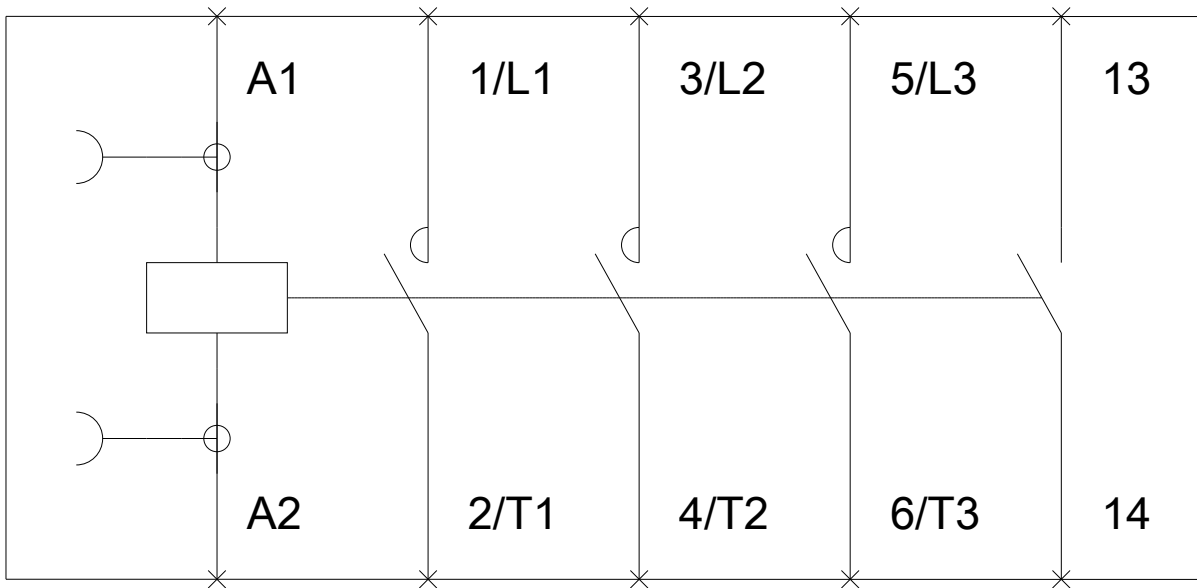
Type of electrical connection for supply voltage line-side	Screw-type terminals
Tightening torque [lbf·in] for supply	7 ... 12 lbf·in
Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded	2x (20 ... 16 AWG), 2x (18 ... 14 AWG), 2x 12 AWG
Temperature of the 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	7 ... 12 lbf·in
Type of connectable conductor cross-sections at AWG conductors 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 at AWG conductors 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 at AWG conductors 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

#### Short-circuit current rating

Design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class RK5 30A max)
Design of the short-circuit trip	Thermal magnetic circuit breaker
Maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
<ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>	24 kA 5 kA 5 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:LEN00B003024B>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00B003024B>**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:LEN00B003024B&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEN00B003024B&lang=en)**Certificates/approvals**<https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00B003024B/certificate>



LEN00B003 Wiring Diagram

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