## SIEMENS

## Data sheet

## US2:LEN02C003240B



Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 3 N.O. Poles, 220VAC 50HZ/240VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type 12, Dust/drip proof for indoors

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]	18 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	-67 +176 °F
<ul> <li>during operation</li> </ul>	32 104 °F
ambient temperature	
during storage	-55 +80 °C
during operation	0 40 °C
country of origin	USA
Contactor	
size of contactor	30 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	1000000
contact rating of the main contacts of lighting contactor	
<ul> <li>with electronic ballast [LED driver] (1 pole per 1 phase) rated value</li> </ul>	16A @120V / 8A @277V 1p 1ph
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	30A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	30A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	30A @480V 3p 3ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph
<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	30A @600V 1p 1ph
<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	1
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         4C           control supply voltage         220 V           • at AC at 60 Hz rated value         240 V           apparent holding power of magnet coil at AC         97 VA           apparent holding power of magnet coil at AC         97 VA           apparent holding power of magnet coil at AC         94 VA           operating range factor control supply voltage rated value of magnet coil at AC         94 VA           operating range factor control supply voltage rated value of design of the housing         0.85 1.1           Enclosure         Mounting/wring           mounting position         Vertical           fastening method         Surface mounting and installation           type of connectable conductor cross-sections at line-side for AVVC cables single or multi-stranded         Screw-type terminals           type of connectable conductor for supply maximum permissible         75 °C           vipe of electrical connection for load-side outgoing feeder         18 22 Ibrin           type of electrical connection for load-side outgoing feeder         2x (16 12 AWG), 2x (14 8 AWG)           type of electrical connection for load-side outgoing feeder         18 22 Ibrin           type of electrical connection for load-side outgoing feeder         18 22 Ibrin
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• at AC at 60 Hz rated value         240 V           apparent pick-up power of magnet coil at AC         87 VA           apparent holding power of magnet coil at AC         9.4 VA           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 12 enclosure           design of the housing         dustproof and drip-proof for indoor use           Mounting voiring         mounting position         Vertical           fastening method         Surface mounting and installation         Ype of electrical connection for supply voltage line-side           tightening torque [lbf-in] for supply         totage for a supply water consections at line-side for AVG cables single or multi-stranded         2x (16 12 AWG), 2x (14 8 AWG)           type of electrical connection for supply maximum permissible         75 °C         Totage electrical connectable conductor for supply           type of electrical connectable conductor cross-sections for AWG cables for load-side outgoing feeder         18 22 lbf-in         19 8 AWG)           type of electrical connectable conductor cross-sections for AWG cables for load-side outgoing feeder         18 22 lbf-in         19 12 AWG), 2x (14 8 AWG)           type of electrical connection of magnet coil         75 °C         Totad-side outgoing feeder         18 22 lbf-in         22 lbf-in
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Image: The Indiding power of magnet coil at AC       9.4 VA         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 12 enclosure         degree of protection NEMA rating of the enclosure       NEMA 12 enclosure         design of the housing       dustproof and drip-proof for indoor use         Mounting/wiring       mounting position         Ype of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbFin] for supply       18 22 lbFin         Xyc cables single or multi-stranded       2x (16 12 AWG), 2x (14 8 AWG)         Ype of connectable conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       18 22 lbFin         Ype of connectable conductor for load-side outgoing feeder       18 22 lbFin         Ype of connectable conductor for load-side outgoing feeder       2x (16 12 AWG), 2x (14 8 AWG)         for load-side outgoing feeder single or multi-stranded       2x (16 12 AWG), 2x (14 8 AWG)         type of electrical connection for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       2x (20 16 AWG), 2x (14 8 AWG)         type of electrical connection of magnet coil       7
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design of the housing       dustproof and drip-proof for indoor use         Mounting/wiring       mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Sorew-type terminals         tightening torque [lbf:in] for supply       18 22 lbf:in         type of connectable conductor cross-sections at line-side for       2x (16 12 AWG), 2x (14 8 AWG)         AWG cables single or multi-stranded       75 °C         material of the conductor for supply       CU         type of connectable conductor cross-sections for AWG cables       Screw-type terminals         tightening torque [lbf:in] for load-side outgoing feeder       18 22 lbf:in         type of connectable conductor for load-side outgoing feeder       2x (16 12 AWG), 2x (14 8 AWG)         for load-side outgoing feeder single or multi-stranded       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       70 °C         material of the conductor or sas-sections of magnet coil
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permissible       CU         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)
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type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded2x (20 16 AWG), 2x (18 14 AWG)
AWG cables for auxiliary contacts single or multi-stranded
temperature of the conductor at contactor for auxiliary contacts 75 °C
maximum permissible
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 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 14 kA
certificate of suitability NEMA ICS 2; UL 508
Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEN02C003240B

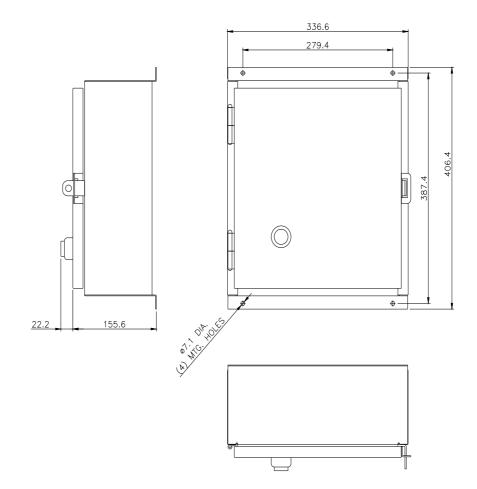
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

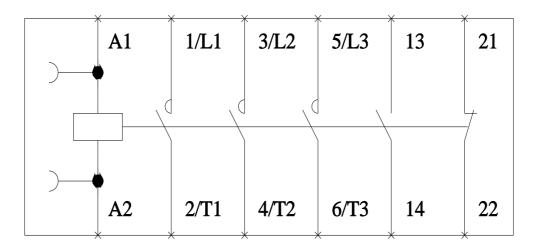
https://support.industry.siemens.com/cs/US/en/ps/US2:LEN02C003240B

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:LEN02C003240B&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEN02C003240B/certificate





## LEN00C003 Wiring Diagram

D38309003

7/25/2023