SIEMENS

Data sheet US2:LEN01C003024B



Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 3 N.O. Poles, 24VAC 50/60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type 1, Indoor general purpose use

design of the product stature Compact design; Finger safe control terminals General technical data weight [ib] 6 ib Height x Width x Depth [in] 11 x 7 x 5 in 10 x 1 x 7 x 5 in 10 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1	product brand name	Class LE
weight [b] 6 ib Height x Width x Depth [in] 11 × 7 × 5 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 operation 32 104 *F attemperature • during operation 0 40 *C country of origin USA Contactor size of contactor 30 Amp number of NC contacts for main contacts 3 number of NC contacts for main contacts 0 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts ypical • att ungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at tallasts (3 poles per 3 phases) rated value • at tresistive load (6 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (6 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (6 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (8 poles per 3 phase	design of the product	Electrically held lighting contactor
weight [ib] Height x Width x Depth [in] 11 x 7 x 5 in 11 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1	special product feature	Compact design; Finger safe control terminals
Height x Width x Depth [in] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [*F] • during storage • during operation ambient temperature • during storage •	General technical data	
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operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at cycles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 poles per 1 phase) rated value • at resistive load (5 poles per 1 phase) rated value • at resistive load (600 V 2p 1ph • at resistive load (7 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated	number of NO contacts for main contacts	3
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contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at ballast (2 poles per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (7 poles per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (1 poles per 3 phases) rated value • at resistive load (1 poles per 3 phases) rated value • at resistive load (1 po		600 V
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (5 poles per 3 phases) rated value at resistive load (5 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (7 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (7 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) ra		10000000
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 at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (5 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (7 poles per 3 phases) rated value at resistive load (7 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (8 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 3 phases) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) rated value at resistive load (9 poles per 1 phase) ra	 at tungsten (1 pole per 1 phase) rated value 	30A @277V 1p 1ph
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 at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / Q600 	 at tungsten (3 poles per 3 phases) rated value 	30A @480V 3p 3ph
 at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 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 number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / Q600 	 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph
 at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 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 number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / Q600 	 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph 30A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at ballast (3 poles per 3 phases) rated value 	30A @600V 3p 3ph
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 number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at resistive load (1 pole per 1 phase) rated value 	30A @600V 1p 1ph
Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at resistive load (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	Auxiliary contact	
number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	number of NC contacts at contactor for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according to UL A600 / Q600	number of NO contacts at contactor for auxiliary contacts	1
	number of total auxiliary contacts maximum	4
Coil	contact rating of auxiliary contacts of contactor according to UL	A600 / Q600
	Coil	

tune of voltage of the central cumply voltage	AC
type of voltage of the control supply voltage	AC
control supply voltage	04.14
at AC at 60 Hz rated value	24 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 1 enclosure
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	18 22 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (16 12 AWG), 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	18 22 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12 AWG), 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	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
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 (lcu)	
• 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

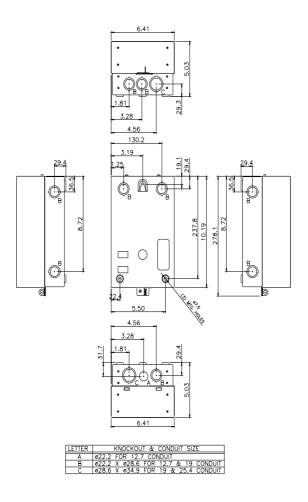
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEN01C003024B

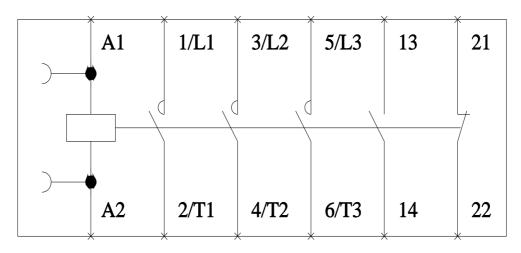
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Certificates/approvals

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LEN00C003 Wiring Diagram

D38309003

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