SIEMENS

Data sheet US2:LEN04E003600C



Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 600VAC 60HZ coil, 1 NO / 1 NC auxiliary contacts Non-combination type, (no disconnect device), Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

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	Sompact assign, image scale some strommans
weight [lb]	41 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
during operation	32 104 °F
ambient temperature	
during storage	-55 +80 °C
during operation	0 40 °C
country of origin	Germany
Contactor	
size of contactor	100 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	10000000
contact rating of the main contacts of lighting contactor	
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value 	16A @120V / 8A @277V 1p 1ph
 at tungsten (1 pole per 1 phase) rated value 	100A @277V 1p 1ph
 at tungsten (2 poles per 1 phase) rated value 	100A @480V 2p 1ph
 at tungsten (3 poles per 3 phases) rated value 	100A @480V 3p 3ph
 at ballast (1 pole per 1 phase) rated value 	100A @347V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
 at ballast (3 poles per 3 phases) rated value 	100A @600V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	100A @347V 1p 1ph
 at resistive load (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
 at resistive load (3 poles per 3 phases) rated value 	100A @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	14
contact rating of auxiliary contacts of contactor according to UL	A600 / P600
Coil	

certificate of suitability	NEMA ICS 2; UL 508
● at 600 V	25 kA
● at 480 V	65 kA
● at 240 V	24 kA
maximum short-circuit current breaking capacity (Icu)	
design of the short-circuit trip	Thermal magnetic circuit breaker
design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class J 125A max)
Short-circuit current rating	
material of the conductor at contactor for auxiliary contacts	CU
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
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)
tightening torque [lbf-in] at contactor for auxiliary contacts	7 10 lbf-in
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
permissible material of the conductor at magnet coil	CU
temperature of the conductor at magnet coil maximum	75 °C
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (18 14 AWG)
tightening torque [lbf-in] at magnet coil	7 10 lbf-in
type of electrical connection of magnet coil	Screw-type terminals
material of the conductor for load-side outgoing feeder	CU
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (10 1/0 AWG), 1x (10 2 AWG)
tightening torque [lbf-in] for load-side outgoing feeder	36 53 lbf-in
type of electrical connection for load-side outgoing feeder	Screw-type terminals
material of the conductor for supply	CU
temperature of the conductor for supply maximum permissible	75 °C
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (10 1/0 AWG), 1x (10 2/0 AWG)
tightening torque [lbf-in] for supply	36 53 lbf-in
type of electrical connection for supply voltage line-side	Screw-type terminals
fastening method	Surface mounting and installation
mounting position	Vertical
Mounting/wiring	. ,
design of the housing	dustproof, waterproof & resistant to corrosion
degree of protection NEMA rating of the enclosure	NEMA 4x 304 stainless steel enclosure
Enclosure Enclosure	10 21 1113
OFF-delay time	10 21 ms
magnet coil ON-delay time	13 50 ms
operating range factor control supply voltage rated value of	0.85 1.1
apparent holding power of magnet coil at AC	22 VA
apparent pick-up power of magnet coil at AC	326 VA
at AC at 60 Hz rated value at AC at 60 Hz rated value	600 600 V
at AC at 50 Hz rated value	0 0 V
control supply voltage • at DC rated value	0 0 V

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:LEN04E003600C

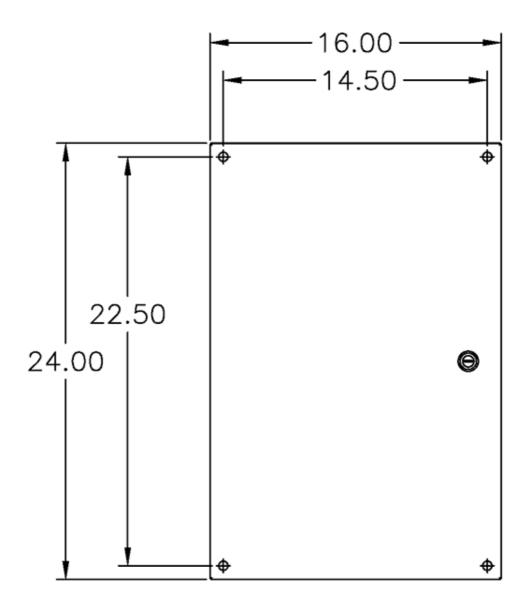
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

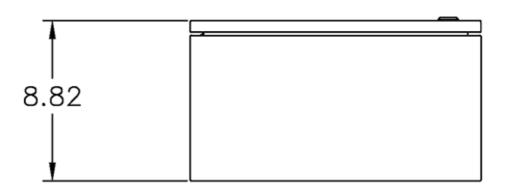
https://support.industry.siemens.com/cs/US/en/ps/US2:LEN04E003600C

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:LEN04E003600C&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEN04E003600C/certificate





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