SIEMENS

Data sheet US2:LCE00C804347A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 8 N.C. / 4 N.O. poles, 347V 60Hz coil, Non-combination type, Enclosure NEMA type (open), No enclosure

product brand name	Class LC
design of the product	Electrically held lighting contactor (convertible to mechanically held)
special product feature	Electrically held convertible to mechanically held; Power poles convertible between NO and NC
General technical data	
weight [lb]	3 lb
Height x Width x Depth [in]	7.39 × 4.18 × 3.86 in
touch 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]	
during storage	-22 +149 °F
during operation	-13 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-25 +40 °C
country of origin	USA
Contactor	
size of contactor	30 Amp
number of NO contacts for main contacts	4
number of NC contacts for main contacts	8
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
Type of main contacts	Silver alloy, double break
mechanical service life (operating cycles) of the main contacts typical	100000
contact rating of the main contacts of lighting contactor	
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value 	10A @120V / 3A @277V 1p 1ph
 at tungsten (1 pole per 1 phase) rated value 	20A @277V 1p 1ph
 at tungsten (2 poles per 1 phase) rated value 	20A @480V 2p 1ph
 at tungsten (3 poles per 3 phases) rated value 	20A @480V 3p 3ph
 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
 at ballast (3 poles per 3 phases) rated value 	30A @600V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	30A @600V 1p 1ph
 at resistive load (2 poles per 1 phase) 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 for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum	4

ype of voltage of the control supply voltage	contact rating of auxiliary contacts of contactor according to UL	NA
ontrol supply voltage • at AC at 60 Hz rated value apparent plok-up power of magnet coil at AC 248 VA apparent holding power of magnet coil at AC 28 VA operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing MA Mounting/wring mounting position fastening method yppe of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply yppe of electrical connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible type of onnectable conductor cross-sections for AWG cables for load-side outgoing feeder yppe of electrical connection for load-side outgoing feeder yppe of electrical connector of notad-side outgoing feeder yppe of electrical connection for load-side outgoing feeder yppe of electrical connection of magnet coil yppe of electrical connection of yppe yppe yppe yppe yppe yppe yppe ypp	<u> </u>	
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apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil operating range factor control supply voltage rated value of magnet coil magnet coil magnet coil operating mounting position fastening method Vertical mounting position fastening method Vertical wounting position fastening method Vertical surface mounting and installation Vype of electrical connection for supply voltage line-side Screw-type terminals Vype of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible To C	apparent pick-up power of magnet coil at AC	
operating range factor control supply voltage rated value of magnet coll Enclosure degree of protection NEMA rating of the enclosure Open device (no enclosure) design of the housing NA NA NA Naunting/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 Sas 35 lbf-in Vype of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply deader Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] at magnet coil Tor, at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the sond-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit turrent breaking capacity (lcu) • at 240 V • at 480 V		
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mounting position fastening method fastening method Surface mounting and installation Syrface mounting and installation Syrface felectrical connection for supply voltage line-side tightening torque [lbf-in] for supply Sorew-type terminals 2x (14 8 AWG) AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible To *C** Type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder Sorew-type terminals tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for magnet coil tightening torque [lbf-in] at magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the solution for short-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit turrent breaking capacity (lcu) • at 240 V • at 240 V • at 240 V • at 480 V	design of the housing	NA
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tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA	fastening method	Surface mounting and installation
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor rors-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cutype of connectable conductor at magnet coil maximum permissible material of the short-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) at 24 kA at 480 V at 480 V at 480 V	type of electrical connection for supply voltage line-side	Screw-type terminals
AWG cables single or multi-stranded 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 35 35 lbf-in type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible 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 Screw-type terminals type of connectable conductor cross-sections of magnet coil for AWG cables 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 maximum 75 °C cu Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) at 24 V 4	tightening torque [lbf·in] for supply	35 35 lbf·in
material of the conductor for supply type of electrical connection for load-side outgoing feeder screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil stype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V		2x (14 8 AWG)
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible To C Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V 65 KA	temperature of the conductor for supply maximum permissible	75 °C
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type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V	type of electrical connection for load-side outgoing feeder	Screw-type terminals
for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V	tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf-in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V		2x (14 8 AWG)
type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA		75 °C
tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (lcu) • at 240 V • at 480 V 65 kA	material of the conductor for load-side outgoing feeder	CU
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V 2x (18 14 AWG) 2x (18 14 AWG) AWG 100kA@600V (Class R or J 40A max) Thermal magnetic circuit breaker	type of electrical connection of magnet coil	Screw-type terminals
AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA	tightening torque [lbf·in] at magnet coil	15 15 lbf·in
permissible material of the conductor at magnet coil Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA	7.	2x (18 14 AWG)
Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA		75 °C
design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA	material of the conductor at magnet coil	CU
circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V 65 kA		100kA@600V (Class R or J 40A max)
• at 240 V 24 kA • at 480 V 65 kA	design of the short-circuit trip	Thermal magnetic circuit breaker
• at 480 V 65 kA	maximum short-circuit current breaking capacity (Icu)	
	• at 240 V	24 kA
• at 600 V	● at 480 V	65 kA
	• at 600 V	25 kA
certificate of suitability NEMA ICS 2; UL 508	certificate of suitability	NEMA ICS 2; UL 508
Further information	Further information	

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

www.usa.siemens.com/iccatalog

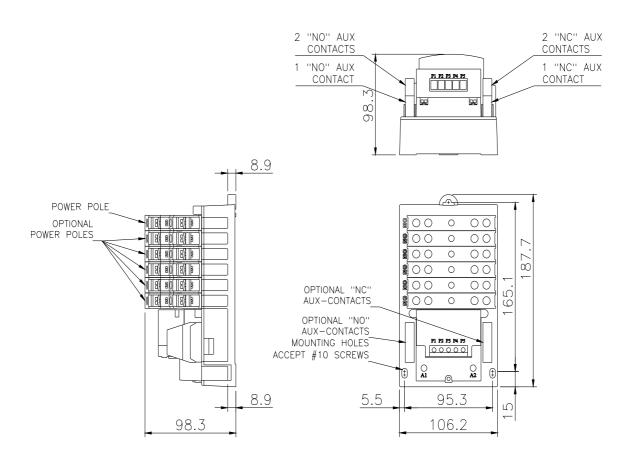
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE00C804347A

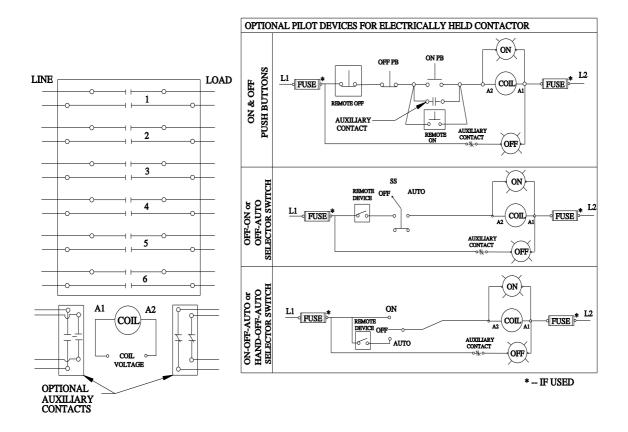
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C804347A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

Certificates/approvals

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