SIEMENS

Data sheet US2:LCE04C006277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 0 N.C. / 6 N.O. poles, 277V 60Hz / 240V 50Hz coil, Non-combination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

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]	20 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	-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	

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	6
number of NC contacts for main contacts	0
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 (switching cycles) of the main contacts typical	100000
contact rating of the main contacts of lighting contactor	
 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

number of NO contacts for auxiliary contacts

number of total auxiliary contacts maximum

0

0

4

to UL Coll type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value 240 V apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosuro degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder material 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 load-side outgoing feeder maximum permissible material 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 load-side outgoing feeder maximum permissible material 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 load-side outgoing feeder maximum permissible material 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 load-side outgoing feeder maximum permissible material 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 load-side outgoing feeder maximum permis	contact rating of auxiliary contacts of contactor according	NA
type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value 277 V apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable conductor for supply type of connectable conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [libf-in] for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder supperature of the conductor for load-side outgoing feeder supperature of the conductor for load-side outgoing feeder supperature of the conductor f	contact rating of auxiliary contacts of contactor according to UL	NA .
control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value 277 V apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent pick-up apparent pick-up apparent pick-up apparent pi	Coil	
• at AC at 50 Hz rated value • at AC at 60 Hz rated value 277 V apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil 248 VA 248 VA 248 VA 248 VA 0.85 1.1 SENA 4x 304 stainless steel enclosure dustproof, waterproof & resistant to corrosion NEMA 4x 304 stainless steel enclosure dustproof, waterproof & resistant to corrosion Vertical Surface mounting and installation Surface mounting and installation Surface mounting and installation \$\$2 x(14 8 AWG)\$ \$\$3 35 lbf-in 2x (14 8 AWG) \$\$3 35 lbf-in 2x (15 8 AWG) \$\$3 35 lbf-in 2x (1	type of voltage of the control supply voltage	AC
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder 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 tightening torque [lbf-in] at magnet coil tightening torque [lbf-in] at magnet coil	control supply voltage	
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connectable conductor cross-sections at AWG cables for load-side outgoing feeder material of the conductor for load-side outgoing feeder cut type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil	 at AC at 50 Hz rated value 	240 V
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of connectable conductor for supply type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor for supply type of load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder maximum permissible stightening torque [lbf-in] at magnet coil type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil tightening torque [lbf-in] at magnet coil tightening torque [lbf-in] at magnet coil	 at AC at 60 Hz rated value 	277 V
operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor for supply 2x (14 8 AWG) cables for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for supply cables for load-side outgoing feeder or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil screw-type terminals tightening torque [lbf·in] at magnet coil Screw-type terminals tightening torque [lbf·in] at magnet coil Screw-type terminals	apparent pick-up power of magnet coil at AC	248 VA
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor for supply To Cu Surface mounting and installation Vertical Surface mounting and installation Surface mounting and installation Surface mounting distallation Surface mounting distallation Surface mounting in surface and installation	apparent holding power of magnet coil at AC	28 VA
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder 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 15 15 lbf-in		0.85 1.1
design of the housing Mounting/wiring	Enclosure	
Mounting/wiring 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 35 35 lbf-in type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 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 35 35 lbf-in type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible 2x (14 8 AWG) temperature of the conductor for load-side outgoing feeder 75 °C material of the conductor for load-side outgoing feeder 75 °C temperature 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 15 15 lbf-in	degree of protection NEMA rating of the enclosure	NEMA 4x 304 stainless steel enclosure
mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of connectable conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor coross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder 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 load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil tightening torque [lbf·in] at magnet coil	design of the housing	dustproof, waterproof & resistant to corrosion
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder 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 5 urface mounting and installation Screw-type terminals 2 x (14 8 AWG) CU CU 2x (14 8 AWG) 2x (14 8 AWG) Cultility terminals	Mounting/wiring	
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable 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 at 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 tightening torque [lbf·in] at magnet coil 5 Surface mounting and installation Screw-type terminals 2 x (14 8 AWG) CU Screw-type terminals 2 x (14 8 AWG) CU 5 ° C CU CU Screw-type terminals 15 15 lbf·in	mounting position	Vertical
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at 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 stranded temperature of the conductor cross-sections at AWG cables for load-side outgoing feeder 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 tightening torque [lbf-in] at magnet coil Screw-type terminals CU CU Screw-type terminals 15 15 lbf-in	fastening method	Surface mounting and installation
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at 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 type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder aximum permissible material of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder aximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil 5 35 lbf-in 2x (14 8 AWG) 35 35 lbf-in 2x (14 8 AWG) 2x (14 8 AWG) 2x (14 8 AWG) 35 35 lbf-in 2x (14 8 AWG) 35 35 lbf-in	type of electrical connection for supply voltage line-side	-
type of connectable conductor cross-sections at line-side at 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 at AWG cables for load-side outgoing feeder 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 15 15 lbf-in		35 35 lbf·in
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 at 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 CU Screw-type terminals tightening torque [lbf-in] at magnet coil 15 15 lbf-in		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 at 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 CU Screw-type terminals 15 15 lbf-in	temperature of the conductor for supply maximum	75 °C
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 35 35 lbf-in 2x (14 8 AWG) 75 °C CU Screw-type terminals	material of the conductor for supply	CU
type of connectable conductor cross-sections at 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 2x (14 8 AWG) 75 °C CU Screw-type terminals	type of electrical connection for load-side outgoing feeder	Screw-type terminals
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 75 °C CU Screw-type terminals 15 15 lbf-in	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 CU Screw-type terminals 15 15 lbf-in	cables for load-side outgoing feeder single or multi-	2x (14 8 AWG)
type of electrical connection of magnet coil Screw-type terminals tightening torque [lbf-in] at magnet coil 15 15 lbf-in		75 °C
tightening torque [lbf·in] at magnet coil 15 15 lbf·in	material of the conductor for load-side outgoing feeder	CU
	type of electrical connection of magnet coil	Screw-type terminals
type of connectable conductor cross-sections of magnet 2x (18 14 AWG)	tightening torque [lbf·in] at magnet coil	15 15 lbf·in
coil at AWG cables single or multi-stranded	71	2x (18 14 AWG)
temperature of the conductor at magnet coil maximum 75 °C permissible		75 °C
material of the conductor at magnet coil CU	material of the conductor at magnet coil	CU
Short-circuit current rating	Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required 100kA@600V (Class R or J 40A max)		100kA@600V (Class R or J 40A max)
design of the short-circuit trip Thermal magnetic circuit breaker	design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (Icu)	breaking capacity maximum short-circuit current (Icu)	
• at 240 V 24 kA	• at 240 V	24 kA
• at 480 V 65 kA	• at 480 V	65 kA
● at 600 V 25 kA	• at 600 V	25 kA
certificate of suitability NEMA ICS 2; UL 508	certificate of suitability	NEMA ICS 2; UL 508

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:LCE04C006277A

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

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE04C006277A

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:LCE04C006277A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE04C006277A/certificate

last modified: 1/25/2022 🖸