## **SIEMENS**

## Data sheet US2:LCE00C308480A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 3 N.C. / 8 N.O. poles, 460-480V 60Hz/440V 50Hz coil, Noncombination 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	8
number of NC contacts for main contacts	3
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	
<ul> <li>with electronic ballast [LED driver] (1 pole per 1 phase) rated value</li> </ul>	10A @120V / 3A @277V 1p 1ph
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @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 for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum	4

type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  aparent plck-up power of magnet coil at AC  apparent holding power of magnet coil at AC  apparent power of magnet coil apparent power of the conductor for load-side outgoing feeder  ameterial of the conductor at magnet coil apparent power of the conductor at magnet coil apparent power of magnet coil apparent power of the conductor at magnet coil appa	contact rating of auxiliary contacts of contactor according to UL	NA
type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  440 V  480 480 V  apparent plok-up power of magnet coil at AC  248 VA  apparent ploking power of magnet coil at AC  289 VA  operating range factor control supply voltage rated value of magnet coil  firefosuro  degree of protection NEIMA rating of the enclosure  Open device (no enclosure)  design of the housing  Mounting position  Vertical  Satingar method  Surface mounting and installation  type of electrical connection for supply voltage line-side  stightening torque [Ibf-in] for supply  Yep of connectable conductor cross-sections at line-side for  AWG cables single or multi-stranded  emperature of the conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  flightening torque [Ibf-in] for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  maximum permissible  material of the conductor or inclos-sections of magnet coil  tightening torque [Ibf-in] for load-side outgoing feeder  maximum permissible  material of the conductor rangent coil  tightening torque [Ibf-in] for load-side outgoing feeder  maximum permissible  connectable conductor cross-sections of magnet coil  tightening torque [Ibf-in] at magnet coil  tightening torque [Ibf-in] for ad-side outgoing feeder  maximum permissible  conductor for load-side outgoing feeder  maximum permissible  conductor for load-side outgoing feeder  AWG cables single or multi-stranded  temperature of the conductor or magnet coil  tightening torque [Ibf-in] or magnet coil  tightening torque [Ibf-in] or magnet coil  tightening torque [Ibf-in] or magnet coil  To "C  CU  Short-circuit current rating  design of the tuse link for short-circuit protection of the main circuit required  at 480 V  at 680 KA  certificate of suitability  NEMA ICS 2; UL 508		
outrol supply voltage  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  440 V  480 480 V  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  28 VA  apparent holding power of magnet coil at AC  28 VA  apparent holding power of magnet coil at AC  28 VA  0.85 1.1  Factosure  degree of protection NEMA rating of the enclosure  Open device (no enclosure)  Oesign of the housing  Mounting/wifing  mounting position  Fastening method  Surface mounting and installation  Vyertical  fastening method  Surface mounting and installation  Vyer of electrical connection for supply voltage line-side  tightening torque [IbF-in] for supply  Vype of one conductor for supply was purposed to a screw-type terminals  tightening torque (IbF-in] for supply  Vype of electrical connection for but an investment of the conductor for supply  Vype of electrical connection for but an investment of the conductor for supply  Vype of electrical connection for load-side outgoing feeder  Surgewypte terminals  Uptine in the conductor for supply  Vype of electrical 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  To C  Vype of electrical 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  To C  Vype of electrical connection of magnet coil  Screw-type terminals  Uptine in the conductor of cond-side outgoing feeder  Maximum permissible  To C  Sortew-type terminals  Uptine in the conductor of cond-side outgoing feeder  Maximum permissible  To C  Sortew-type terminals  Uptine in the conductor of cond-side outgoing feeder  Maximum permissible  To C  Sortew-type terminals  Uptine in the conductor of cond-		AC
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fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  3535 lbf-in  2x (148 AWG)  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  ype of connectable conductor for supply maximum permissible  tightening torque [lbf-in] for load-side outgoing feeder  type of electrical connection 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 electrical connection 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  screw-type terminals  tightening torque [lbf-in] at magnet coil  type of onnectable conductor or oss-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil  type of connectable conductor at magnet coil maximum  permissible  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 24 VV  • at 480 V  • at 480 V  • at 600 V  25 kA  certificate of suitability  NEMA ICS 2; UL 508		Vertical
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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 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 current breaking capacity (Icu)  • at 240 V  • at 480 V  • at 480 V  • at 480 V  • at 480 V  • at 650 KA  certificate of suitability  NEMA ICS 2; UL 508	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 screw-type terminals 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 Thermal magnetic circuit breaker  maximum short-circuit current breaking capacity (Icu)  at 24 kA at 480 V at 480 V at 65 kA at 600 V certificate of suitability NEMA ICS 2; UL 508	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 stightening 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 current breaking capacity (Icu)  • at 240 V • at 480 V • at 480 V • at 600 V certificate of suitability  NEMA ICS 2; UL 508		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  • at 600 V  certificate of suitability  NEMA ICS 2; UL 508		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  Thermal magnetic circuit breaker  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  • at 600 V  certificate of suitability  NEMA ICS 2; UL 508	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  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 600 V  certificate of suitability  NEMA ICS 2; UL 508	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  at 65 kA  at 600 V  certificate of suitability  NEMA ICS 2; UL 508	tightening torque [lbf·in] at magnet coil	15 15 lbf·in
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 65 kA  at 600 V  certificate of suitability  NEMA ICS 2; UL 508		2x (18 14 AWG)
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 600 V  certificate of suitability  NEMA ICS 2; UL 508		75 °C
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 600 V  certificate of suitability  100kA@600V (Class R or J 40A max)  Thermal magnetic circuit breaker  24 kA  65 kA  25 kA	material of the conductor at magnet coil	CU
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 600 V  25 kA  certificate of suitability  NEMA ICS 2; UL 508	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu)  • at 240 V		100kA@600V (Class R or J 40A max)
<ul> <li>at 240 V</li> <li>at 480 V</li> <li>at 600 V</li> <li>certificate of suitability</li> <li>24 kA</li> <li>65 kA</li> <li>NEMA ICS 2; UL 508</li> </ul>	design of the short-circuit trip	Thermal magnetic circuit breaker
• at 480 V         • at 600 V         25 kA  certificate of suitability         NEMA ICS 2; UL 508	maximum short-circuit current breaking capacity (Icu)	
at 600 V     certificate of suitability     NEMA ICS 2; UL 508	● at 240 V	24 kA
certificate of suitability NEMA ICS 2; UL 508	• at 480 V	65 kA
	• at 600 V	25 kA
Further information	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)

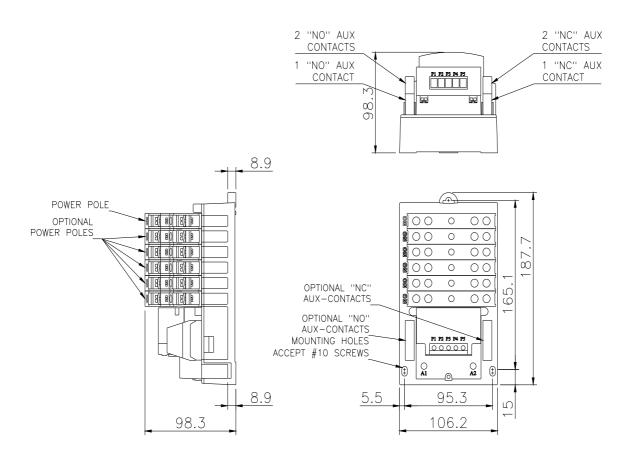
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE00C308480A

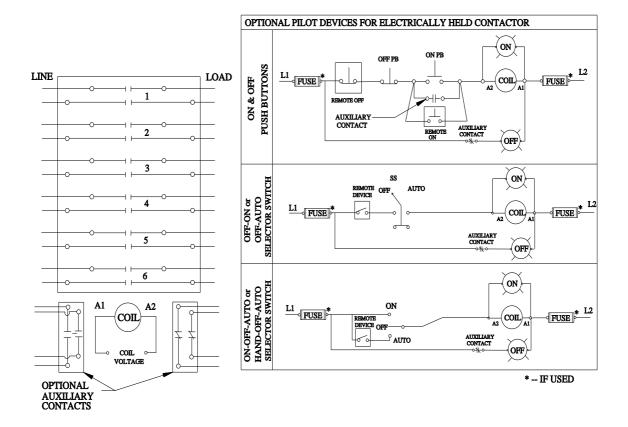
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Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C308480A/certificate





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