## **SIEMENS**

## Data sheet US2:LCE02C101240A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 1 N.O. poles, 230-240V 60Hz/220V 50Hz coil, Noncombination type, Enclosure NEMA type 12, Dust/drip proof for indoors

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]	19 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]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-13 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-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	1
number of NC contacts for main contacts	1
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
<ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>	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  a) AC at 50 Hz rated value  a) apparent plot-up power of magnet coil at AC  apparent hotding power of magnet coil by a concentration of the same and power of magnet coil by a concentration of the conductor for supply maximum permissible and power of pow	contact rating of auxiliary contacts of contactor according to UL	NA
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apparent pick-up power of magnet coil at AC 28 VA 28 VA 28 VA 29 V		
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil magnet coil Brolosure  degree of protection NEMA rating of the enclosure design of the housing dustproof and drip-proof for indoor use  Mounting/writing mounting position Stering method Uper of electrical connection for supply voltage line-side Uppe of electrical connection for supply voltage line-side for AWG cables single or multi-stranded Emperature of the conductor for supply maximum permissible To delectrical connection for load-side outgoing feeder Uppe of electrical connection for load-side outgoing feeder Screw-type terminals Uppe of connectable conductor or supply Uppe of electrical connection for load-side outgoing feeder Uppe of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor for load-side outgoing feeder Screw-type terminals Upper of the conductor or magnet coil Screw-type terminals Upper of the conductor or magnet coil Screw-type terminals Upper of the fuse link for short-circuit protection of the main Cu U Upper of the fuse link 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 fuse link for short-circuit protection of the main Circuit required design of the short-circuit trip Thermal magnetic circuit breaker Thermal magnetic circuit breaker Thermal magnetic of su		
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design of the housing   dustproof and drip-proof for indoor use   Mounting/wiring	degree of protection NEMA rating of the enclosure	NEMA Type 12
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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 current breaking capacity (Icu)  at 240 V at 480 V at 480 V at 600 V certificate of suitability  NEMA ICS 2; UL 508  Further information	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 • at 600 V certificate of suitability  NEMA ICS 2; UL 508  Further Information		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 480 V  • at 600 V  certificate of suitability  Further information		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  Further information	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  Further information	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  Further information	tightening torque [lbf·in] at magnet coil	15 15 lbf·in
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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  Further information		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  Thermal magnetic circuit breaker  24 kA  65 kA  25 kA  certificate of suitability  NEMA ICS 2; UL 508	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  • at 600 V  certificate of suitability  Thermal magnetic circuit breaker  24 kA  65 kA  25 kA  NEMA ICS 2; UL 508  Further information	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  • at 600 V  certificate of suitability  NEMA ICS 2; UL 508  Further information		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>NEMA ICS 2; UL 508</li> </ul> Further information	design of the short-circuit trip	Thermal magnetic circuit breaker
	maximum short-circuit current breaking capacity (Icu)	
at 600 V     certificate of suitability     NEMA ICS 2; UL 508  Further information	• at 240 V	24 kA
certificate of suitability NEMA ICS 2; UL 508 Further information	• at 480 V	65 kA
Further information	• at 600 V	25 kA
	certificate of suitability	NEMA ICS 2; UL 508
	Further information	

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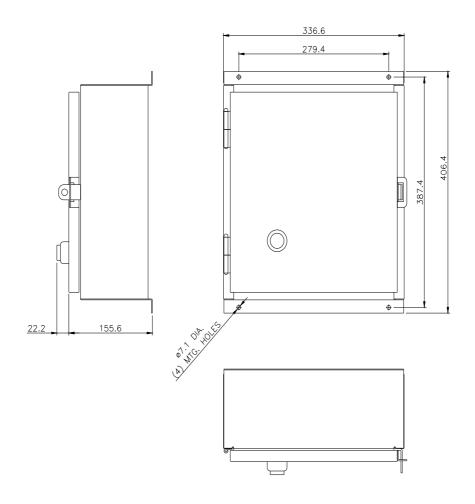
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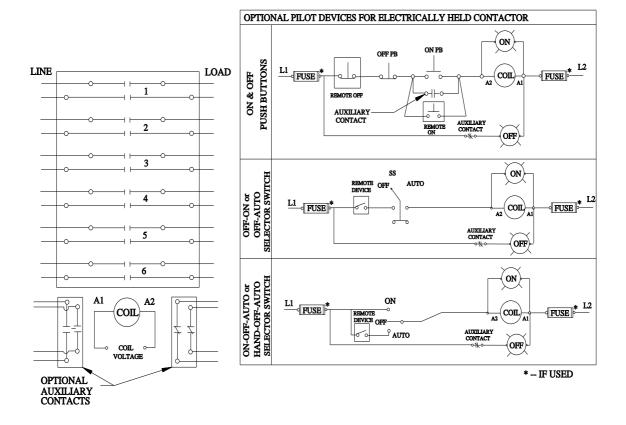
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Certificates/approvals

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