SIEMENS

Data sheet US2:LCE02C305277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 3 N.C. / 5 N.O. poles, 277V 60Hz / 240V 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]	
 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	5
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	
 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

contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage **at AC at 50 Hz rated value **aparent pick-up power of magnet coil at AC **apparent pick-up power of magnet power pick-up pick-up power pick-up power pick-up power pick-up power pick-up p		
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apparent pick-up power of magnet coil at AC apparent holding power power of magnet coil for a AWG ables in apparent power of the conductor for supply voltage line-side outgoing feeder apparent power of the conductor of power power of the power	 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 magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Dust-tight, watertight & weather proof Mounting/wiring Vertical statening method Surface mounting and installation Spe of electrical connection for supply voltage line-side Strew-type terminals tightening torque (lith-in) for supply yeb of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder sightening torque (lith-in) for load-side outgoing feeder stightening torque (lith-in) for load-side outgoing feeder sugh earlier of the conductor for ross-sections for AWG cables sorious side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder sughtening torque (lith-in) at magnet coil sughtening torque (lith-in) at magnet coil for sughtening torque (lith-in) at magnet coil sughtening torque (lith-in) at magnet	at AC at 60 Hz rated value	277 V
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design of the housing Dust-tight, watertight & weather proof Mounting/wiring mounting position fastening method Surface mounting and installation Sype of electrical connection for supply voltage line-side tightening torque (lbf-in) for supply SS 35 lbf-in 2x (14 8 AWG) AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible Type of connectable conductor for supply Utype of electrical connection for load-side outgoing feeder type of connectable conductor for supply Utype of contactable conductor for supply Utype of contactable conductor for supply Utype of contactable conductor for supply Utype of connectable conductor for supply Utype of connectable conductor for load-side outgoing feeder Utype of connectable conductor for load-side outgoing feeder Utype of connectable conductor for load-side outgoing feeder Wyse of electrical connection of magnet coil Utype of connectable conductor cross-sections of magnet coil Utype of connectable conductor of magnet coil Utype of connectable conductor at magnet coil Utype of connectable conductor at magnet coil Utype of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil Utype of connectable conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet coil maximum permissible Magnetic of the conductor at magnet c		0.85 1.1
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type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply ype of connectable conductor cross-sections at line-side for AWC cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder 35 35 lbf-in 2x (14 8 AWG) AWG cables for load-side outgoing feeder 35 35 lbf-in 2x (14 8 AWG) 2x (14 8 AWG) 5 ° C material of the conductor cross-sections for 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 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 maximum permissible material of the conductor at magnet coil GU 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 (lcu) • at 240 V • at 480 V • at 480 V • at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508	mounting position	Vertical
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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 Screw-type terminals tightening torque [lbf-in] at magnet coil 15 15 lbf-in 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 480 V • 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 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 maximum short-circuit current breaking capacity (lcu) • 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
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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 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 65 kA 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 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	Short-circuit current rating	
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		100kA@600V (Class R or J 40A max)
 at 240 V at 480 V at 600 V certificate of suitability 24 kA 65 kA 25 kA NEMA ICS 2; UL 508 	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 25 kA certificate of suitability NEMA ICS 2; UL 508	• at 240 V	24 kA
• at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508	• at 480 V	65 kA
certificate of suitability NEMA ICS 2; UL 508		
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Test Certificates

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Industry Mall (Online ordering system)

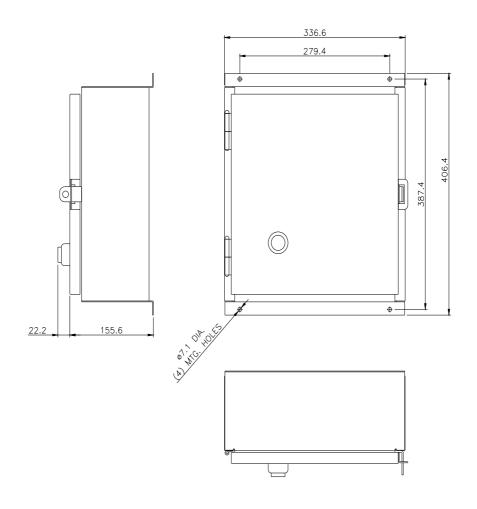
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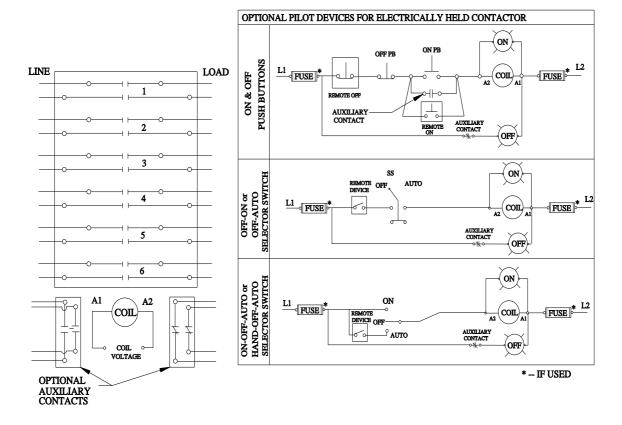
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