SIEMENS

Data sheet US2:LCE00C604277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 6 N.C. / 4 N.O. poles, 277V 60Hz / 240V 50Hz coil, Noncombination type, Enclosure NEMA type (open), No enclosure

design of the product Special product feature Electrically held lighting contactor (convertible to mechanically held; Power poles convertible between NO and NC Seneral 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 [FT] during storage 4.22 +149 "F 4.24 of "C 4.25 +40 "C 4.25 .	product brand name	Class LC
between NO and NC Main circuit (finger-safe) Sibration altitude [ft] at height above sea level maximum Auxiliary contacts	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [lb] Height X Width x Depth [in] T, 39 × 4.18 × 3.86 in touch protection against electrical shock Main circuit (finger-safe); Control circuit (finger-safe) mistallation altitude [ft] at height above sea level maximum ambient temperature [°F] during storage during operation -13 +104 °F -22 +149 °F -13 +104 °F ambient temperature during storage during operation -25 +40 °C Contactor size of contactor size of contacts for main contacts number of NO contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum Type of main contacts mechanical service life (operating cycles) of the main contacts ypical contact rating of the main contacts of lighting contactor with electronic ballast [LED driver] (1 pole per 1 phase) rated value at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 3 phases) rated value at ballast (2 poles per 1 phase) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ta ballast (2 poles per 1 phase) rated value at tesistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated val	special product feature	
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installation altitude [ft] at height above sea level maximum ambient temperature [*F] • during storage • during operation ambient temperature • during storage • during operation -13 +104 *F ambient temperature • during storage • during operation -25 +65 *C • during operation country of origin USA Contactor size of contactor size of contacts for main contacts number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum Type of main contacts mechanical service life (operating cycles) of the main contacts mechanical service life (operating cycles) of the main contacts vi)the electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at tallast (3 poles per 3 phases) rated value • at tresistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 4 phase) rated value	Height x Width x Depth [in]	7.39 × 4.18 × 3.86 in
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• during storage • during operation -13 +104 °F -30 +65 °C • during storage • during operation -25 +40 °C -26	installation altitude [ft] at height above sea level maximum	6560 ft
 • during operation -13 +104 °F ambient temperature • during operation -25 +40 °C country of origin USA Contactor size of contactor number of NC contacts for main contacts quering operating voltage for main current circuit at AC at 60 Hz maximum Type of main contacts mechanical service life (operating cycles) of the main contacts with electronic ballast [LED driver] (1 pole per 1 phase) rated value at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at tabliast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 	ambient temperature [°F]	
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size of contactor number of NO contacts for main contacts number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum Type of main contacts mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at contact rating of the main contacts of lighting contactor 10A @120V / 3A @277V 1p 1ph 20A @277V 1p 1ph 20A @480V 2p 1ph 30A @480V 2p 1ph 30A @480V 3p 3ph 30A @600V 2p 1ph 30A @600V 3p 3ph 4 at resistive load (1 pole per 1 phase) rated value 30A @600V 3p 3ph 30A @600V 3p 3ph 4 at resistive load (2 poles per 1 phase) rated value 30A @600V 2p 1ph 30A @600V 3p 3ph 30A @600V 3p 3ph 30A @600V 3p 3ph 4 at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph 30A @600V 3p 3ph	country of origin	USA
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operating voltage for main current circuit at AC at 60 Hz maximum Type of main contacts Silver alloy, double break mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at callalast (3 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value	number of NO contacts for main contacts	4
Type of main contacts mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at contact rating of the main contacts 100000 10A @120V / 3A @277V 1p 1ph 20A @277V 1p 1ph 20A @480V 2p 1ph 30A @480V 3p 3ph 30A @347V 1p 1ph 30A @600V 2p 1ph 30A @600V 3p 3ph • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value	number of NC contacts for main contacts	6
mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value		600 V
contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (7 poles per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value	Type of main contacts	Silver alloy, double break
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 at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 	• at tungsten (1 pole per 1 phase) rated value	20A @277V 1p 1ph
 at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 	• at tungsten (2 poles per 1 phase) rated value	20A @480V 2p 1ph
 at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 	• at tungsten (3 poles per 3 phases) rated value	20A @480V 3p 3ph
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 at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph 30A @600V 3p 3ph Auxiliary contact	 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
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• at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph Auxiliary contact	• at resistive load (1 pole per 1 phase) rated value	30A @600V 1p 1ph
Auxiliary contact	• 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
number of NC contacts for auxiliary contacts	Auxiliary contact	
number of No contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts 0	number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	number of total auxiliary contacts maximum	4

type of voltage of the control supply voltage at AC at 50 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power apparent power of magnet coil for AWG cables for apparent power of power apparent power	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 240 V 277 V apparent pick-up power of magnet coil at AC 248 VA apparent pick-up power of magnet coil at AC 248 VA apparent pick-up power of magnet coil at AC 258 VA Operating range factor control supply voltage rated value of magnet coil degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure Vertical Fastening method Surface mounting position Fastening method Surface mounting and installation Vertical Fastening method Surface mounting and installation Vertical Fastening method Surface mounting and installation Vertical Fastening rotrue (Ibf-in) for supply voltage line-side Surface mounting and installation Vertical Fastening method Surface mounting and installation Vertical Fastening method Surface mounting and installation Vertical Fastening rotrue (Ibf-in) for supply Surface mounting and installation Vertical Fastening for usual surface and installation Vertical Fastening for supply Vertical Surface mounting and installation Vertical Fastening method Surface mounting and installation Vertical Fastening for supply 35 35 lbf-in Vertical Fastening for supply Vertical Fastening for supply 57 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		
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apparent pick-up power of magnet coil at AC 28 VA 28 VA 28 VA 28 VA 29 V		
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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	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
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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 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)
 at 240 V at 480 V at 600 V certificate of suitability NEMA ICS 2; UL 508 Further information	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 Further information	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	

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:LCE00C604277A

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

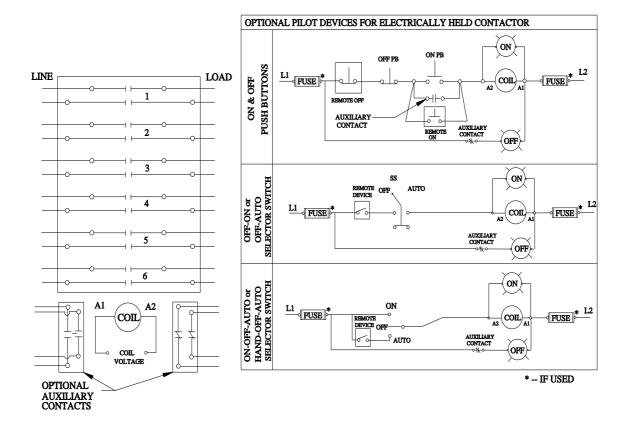
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LCE00C604277A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C604277A/certificate





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