## SIEMENS

## Data sheet

## US2:LCE04C504480A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 5 N.C. / 4 N.O. poles, 460-480V 60Hz/440V 50Hz coil, Noncombination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

weight [lb]21 lbHeight x Width x Depth [in]16 × 13 × 6 intouch protection against electrical shockNA for enclosed productsinstallation altitude [ft] at height above sea level maximum6560 ftambient temperature [°F]-22 +149 °F• during storage-22 +149 °F• during operation-13 +104 °Fambient temperature-30 +65 °C• during operation-25 +40 °Ccountry of originUSA	product brand name	Class LC
Detween NO and NC           Concrol technical data           weight [1b]         21 lb           Height x Widh x Depth [in]         16 x 13 x 6 in           touch protection against electrical shock         NA for enclosed products           installation atlifued [in] at height above sea level maximum         6560 ft           ambient temperature ['F]         -           • during storage         -22 +149 'F           • during operation         -13 +164 'F           ambient temperature         -           • during operation         -25 +40 'C           country of origin         USA           Contactor         30 Amp           number of NC contacts for main contacts         4           number of NC contacts for main contacts         5           operating voltage for main contacts         5           operating voltage for main contacts         5           operating voltage for main contacts         100000           read value         20A @2277V 1p 1ph           read value         20A @2277V 1p 1ph           read value         20A @240V 2p 1ph           • at tungsten (1 pole per 1 phase) rated value         20A @247V 1p 1ph           • at tungsten (2 poles per 3 phases) rated value         20A @247V 1p 1ph	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [b]     21 lb       Height x Width x Depth [in]     16 x 13 x 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 operation     -25 +40 'C       • during voltage for main contacts     4       • number of NC contacts for main contacts     5       operating voltage for main current circuit at AC at 60 Hz     600 V       maximum     100000       • vith electronic ballast [LED driver] (1 pole per 1 phase)     10A @120V / 3A @277V 1p 1ph       • at tungsten (2 poles per 1 phase) rated value     20A @480V 2p 1ph       • at tungsten (2 poles per 1 phase) rated value     20A @480V 2p 1ph       • at tungsten (2 poles per 1 phase) rated value<	special product feature	
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size of contactor     30 Amp       number of NO contacts for main contacts     4       number of NC contacts for main contacts     5       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     10A @120V / 3A @277V 1p 1ph       • with electronic ballast [LED driver] (1 pole per 1 phase) rated value     20A @277V 1p 1ph       • at tungsten (1 pole per 1 phase) rated value     20A @480V 2p 1ph       • at tungsten (2 poles per 1 phase) rated value     20A @480V 3p 3ph       • at ballast (2 poles per 3 phases) rated value     30A @600V 3p 3ph       • at ballast (3 poles per 3 phases) rated value     30A @600V 2p 1ph       • at ballast (3 poles per 3 phase) rated value     30A @600V 2p 1ph       • at tresistive load (2 poles per 1 phase) rated value     30A @600V 2p 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 2p 1ph       • at resistive load (3 poles per 3 phases) rated value     30A @600V 2p 1ph       • at resistive load (3 poles per 3 phases) rated value     30A @600V 2p 1ph       • at resistive load (3 poles per 3 phases) rated value     30A @600V 3p 3ph       • at resisti	country of origin	USA
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• at ballast (1 pole per 1 phase) rated value30A @347V 1p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• Auxiliary contact0number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @480V 2p 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 (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       30A @600V 3p 3ph         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0	<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <l< td=""><td><ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul></td><td>30A @347V 1p 1ph</td></l<></ul>	<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
• 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       30A @600V 3p 3ph         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0	<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 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         30A @600V 3p 3ph           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<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
Auxiliary contact       number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	<ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph
number of NO contacts for auxiliary contacts 0	Auxiliary contact	
	number of NC contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	number of NO contacts for auxiliary contacts	0
	number of total auxiliary contacts maximum	4

contact rating of auxiliany contacts of contactor according to LI	ΝΑ
contact rating of auxiliary contacts of contactor according to UL	NA
	40
type of voltage of the control supply voltage	AC
control supply voltage	440.4
• at AC at 50 Hz rated value	440 V
at AC at 60 Hz rated value	460 480 V
apparent pick-up power of magnet coil at AC	248 VA
apparent holding power of magnet coil at AC	28 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 4x 304 stainless steel enclosure
design of the housing	dustproof, waterproof & resistant to corrosion
Mounting/wiring	
mounting position	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 for 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 for AWG cables for load-side outgoing feeder single or multi-stranded	2x (14 8 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material 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
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
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	100kA@600V (Class R or J 40A max)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	24 kA
• at 480 V	65 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Approvals Certificates	
Test Certificates	

Test Certificates



Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

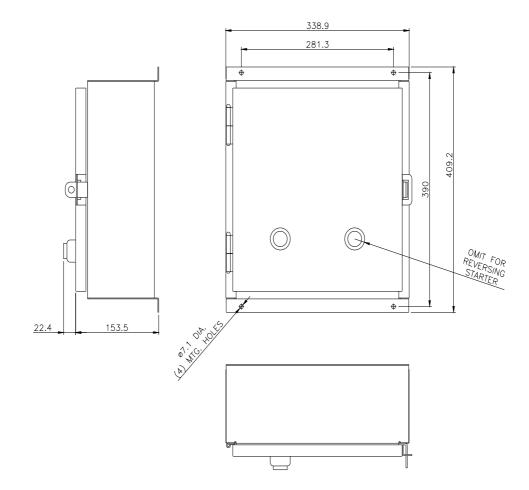
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE04C504480A

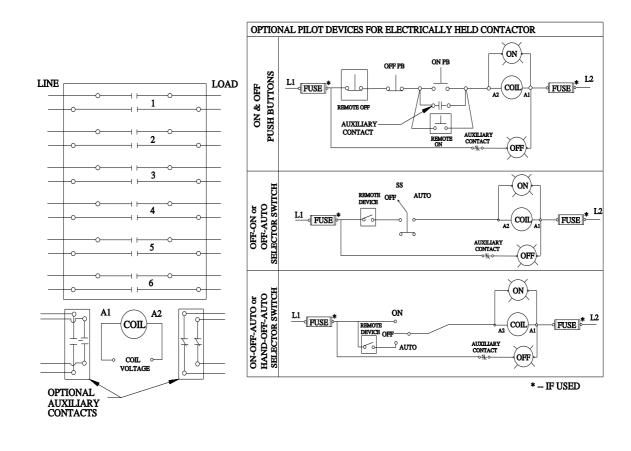
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE04C504480A

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:LCE04C504480A&lang=en

Certificates/approvals

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