## SIEMENS

## Data sheet

## US2:LCE01C601480A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 6 N.C. / 1 N.O. poles, 460-480V 60Hz/440V 50Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

Figures	imilar
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weight [lb]       11 lb         Height x Width x Depth [in]       14 × 8 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ["F]       -22 +149 "F         • during operation       -13 +104 "F         ambient temperature       -30 +65 °C         • during operation       -25 +40 °C         • during operation       -25 +40 °C         • during operation       -25 +40 °C         contactor       30 Amp         number of NO contacts for main contacts       1         number of NO contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         Type of main contacts       5liver alloy, double break         mechanical service life (switching cycles) of the main contacts of lighting contactor       100000         • 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 ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @6600V 3p 3ph <t< th=""><th></th><th></th></t<>		
special product feature         Electrically held convertible to mechanically held; Power poles convertible between NO and NC           General technical data         It lb           Weight [lb]         11 lb           Height x Widh x Depth [n]         14 x 8 x 7 in           Jouch protection against electrical shock         NA for enclosed products           installation altitude [ft] at height above sea level maximum         6560 ft           ambient temperature [FF]         -22 +149 °F           • during storage         -30 +65 °C           • during operation         -25 +40 °C           country of origin         USA           Contactor         30 Amp           number of NC contacts for main contacts         1           number of NC contacts for main contacts         6           operating voltage for main contacts         6           operating voltage for main contacts         1           Type of main contacts         Silver alloy, double break           mechanical service life (switching cycles) of the main contacts of lighting contactor         30A @277V 1p 1ph           • at tungsten (2 poles per 1 phase) rated value         20A @247V 1p 1ph           • at tungsten (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at tungsten (2 poles per 1 phases) rated value         30A @600V 2p 1ph	product brand name	Class LC
General technical data           weight [b]         11 lb           Height X Widh x Depth [in]         14 × 8 × 7 in           touch protection against electrical shock         NA for enclosed products           installation altitude [ft] at height above sea level maximum         6560 ft           ambient temperature [F]         -22 +149 °F           • during operation         -30 +65 °C           • during operation         -25 +40 °C           • during operation         0 SA           contactor         30 Amp           number of NC contacts for main contacts         1           number of NC contacts for main contacts         600 V           maximum         100000           contact typical         20A @2277V 1p 1ph           contact stypical         20A @2480V 2p 1ph           • at tungsten (1 pole per 1 phas	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [lb]       11 lb         Height x Width x Depth [in]       14 x 8 x 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [°F]       -22 +149 °F         • during storage       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -23 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main contacts       1         Type of main contacts of lighting contactor       sliver alloy, double break         nechanical service life (switching cycles) of the main contacts typical       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       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value	special product feature	
Height x Width x Depth [in]       14 × 8 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature [*F]       -22 +149 "F         • during operation       -13 +104 "F         ambient temperature [straig of ragin       -25 +40 "C         • during operation       -25 +40 "C         contactor       30 Amp         number of NO contacts for main contacts       1         number of NC contacts for main contacts       6         oport figin       USA         Type of main current circuit at AC at 60 Hz       600 V         maximum       5liver alloy, double break         Type of main contacts       1         rontacts rig of the main contacts of lighting contactor       1         • at tungsten (1 pole per 1 phase) rated value       20A @277V 1p 1ph         • at tungsten (2 poles per 3 phases) rated value       20A @480V 2p 1ph         • at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph </td <td>General technical data</td> <td></td>	General technical data	
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Size of contactor       30 Amp         number of NO contacts for main contacts       1         number of NC contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Silver alloy, double break         Type of main contacts       Silver alloy, double break         mechanical service life (switching cycles) of the main contacts typical       100000         contact typical       20A @277V 1p 1ph         contact rating of the main contacts of lighting contactor       • at tungsten (1 pole per 1 phase) rated value         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value	<ul> <li>during operation</li> </ul>	-25 +40 °C
size of contactor30 Ampnumber of NO contacts for main contacts1number of NC contacts for main contacts6operating voltage for main current circuit at AC at 60 Hz maximum600 VType of main contactsSilver alloy, double breakmechanical service life (switching cycles) of the main contact stypical100000contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at re	country of origin	USA
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mechanical service life (switching cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• 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 2p 1ph• 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 (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30	1 0 0	600 V
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<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <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</li></ul>	<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @277V 1p 1ph
• 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 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phAuxiliary contact30A @600V 3p 3phnumber 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 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 (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value0• at resistive load (3 poles per 3 phases)0	<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
• 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 (3 poles per 3 phases) rated value30A @600V 3p 3phAuxiliary contact30A @600V 3p 3phnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	<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
at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  0	<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	30A @600V 1p 1ph
Auxiliary contact     0       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 auxiliary contacts of contactor according to UL	NA
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	440 V
<ul> <li>at AC at 60 Hz rated value</li> </ul>	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 Type 1
design of the housing	indoors, usable on a general basis
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 at 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 at 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 at AWG cables single or multi-stranded	2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible	75 ℃
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
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	24 kA
• at 480 V	65 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C601480A

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

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C601480A

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:LCE01C601480A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C601480A/certificate

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