## SIEMENS

## Data sheet

## US2:LCE01C005347A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 0 N.C. / 5 N.O. poles, 347V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



Figuresimilar

weight [lb]       11 lb         Height x Width x Depth [in]       14 × 8 × 7 in         NA for enclosed products       installation altitude [ft] at height above sea level maximum         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -         • during storage       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -         • during operation       -25 +40 °C         country of origin       USA         Sontactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         Type of main contacts of lighting contactor       610 V         • 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 (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 2p 1ph         • at ballast (2 poles per 1 phase) rated value<	riguesinna	
special product feature         Electrically held convertible to mechanically held; Power poles convertible between NO and NC           Seneral technical data         III lb           Height X Widh x Depth [in]         14 × 8 × 7 in           NA for enclosed products         installation altitude [ft] at height above sea level maximum           ambient temperature [FT]         • during storage           • during operation         -13 +104 °F           ambient temperature [FT]         • during operation           • during operation         -25 +40 °C           country of origin         USA           Sontactor         30 Amp           number of NC contacts for main contacts         5           operating voltage for main contacts         5           operating voltage for main contacts         5           ontactor         30 Amp           maximum         foldow           at ungsten (2 poles per 1 phase) rated value         20A @277V 1p 1ph           • at ungsten (2 poles per 1 phase) rated value         20A @2480V 2p 1ph           • at ungsten (2 poles per 1 phase) rated value         20A @2480V 2p 1ph           • at ungsten (2 poles per 1 phase) rated value         20A @2480V 3p 3ph           • at ungsten (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at balalas (2 poles pe	product brand name	Class LC
Server I be hetween NO and NC           Server I be hetween NO and NC <td>design of the product</td> <td>Electrically held lighting contactor (convertible to mechanically held)</td>	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [ib]       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       6660 ft         ambient temperature [°F]       -         • during storage       -22 +149 °F         • during operation       -13 +104 "F         ambient temperature       -         • during operation       -25 +40 °C         • country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main contacts       0         Type of main contacts       Silver alloy, double break         mochanical service life (switching cycles) of the main contacts       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 tungsten (2 poles per 1 phase) rated value       20A @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 2p 1ph         • at	special product feature	
Height X With 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 storage       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -22 +40 °C         • during operation       -25 +40 °C         country of origin       USA         State of contactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       Silver alloy, double break         Type of main contacts       5         ontacts trypical       100000         contact rating of the main contacts of lighting contactor       at tungsten (1 pole per 1 phase) rated value         ot at ballast (1 pole per 1 phase) rated value       20A @480V 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 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value	General technical data	
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installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 °F         • during storage       -23 +104 °F         ambient temperature       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         obtactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Silver alloy, double break         ortactor       30 Amp         runder of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       Silver alloy, double break         mechanical service life (switching cycles) 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 @277V 1p 1ph         at tungsten (3 poles per 3 phases) rated value       20A @480V 2p 1ph         at tungsten (2 poles per 1 phase) rated value       30A @000V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @000V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 3ph         at resistive l	Height x Width x Depth [in]	14 × 8 × 7 in
ambient temperature [*F]       -22 +149 *F         • during operation       -13 +104 *F         ambient temperature       -13 +104 *F         • during operation       -25 +40 *C         • during operation       -25 +40 *C         • during operation       -25 +40 *C         • country of origin       USA         Sontactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main contacts       5         Type of main contacts       Silver alloy, double break         mechanical service life (switching cycles) of the main contacts of lighting contactor       100000         contact rating of the main contacts of lighting contactor       100000         e 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 @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	touch protection against electrical shock	NA for enclosed products
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size of contactor       30 Amp         number of NO contacts for main contacts       5         number of NC contacts for main contacts       0         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 of lighting contactor       at tungsten (1 pole per 1 phase) rated value         eat tungsten (2 poles per 1 phase) rated value       20A @277V 1p 1ph         eat tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         eat tungsten (2 poles per 1 phase) rated value       30A @600V 2p 1ph         eat ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         eat ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         eat ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         eat ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         eat resistive load (1 pole per 1 phase) rated value       30A @600V 2p 1ph         eat resistive load (2 poles per 3 phases) rated value       30A @600V 2p 1ph         eat resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         eat resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         valuitary contact <td><ul> <li>during operation</li> </ul></td> <td>-25 +40 °C</td>	<ul> <li>during operation</li> </ul>	-25 +40 °C
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contacts typicalcontacts of lighting contactore at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1phe at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1phe at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3phe at ballast (1 pole per 1 phase) rated value30A @347V 1p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at ballast (3 poles per 3 phases) rated value30A @600V 3p 3phe at ballast (3 poles per 3 phases) rated value30A @600V 1p 1phe at resistive load (1 pole per 1 phase) rated value30A @600V 2p 1phe at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phe at resistive load (3 poles per 3 phases) rated value30A @600V	Type of main contacts	Silver alloy, double break
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <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 (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 casistive 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 contacts for auxiliary contacts</li> <li>number of NC contacts for auxiliary contacts</li> <li>0</li> </ul>		100000
• 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 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 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• number of NC contacts for auxiliary contacts0• number of NO contacts for auxiliary contacts0	contact rating of the main contacts of lighting contactor	
<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 (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 (1 pole 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 rotacts for auxiliary contacts</li> <li>0</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 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 of NC contacts for auxiliary contacts0• number 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
<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
<ul> <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>30A @600V 2p 1ph</li> <li>30A @600V 3p 3ph</li> </ul> Auxiliary contacts number of NC contacts for auxiliary contacts 0 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     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      0      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
Nuxiliary 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	NA
to UL Coil	
	AC
type of voltage of the control supply voltage control supply voltage	AC
at AC at 60 Hz rated value	347 347 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	0.85 1.1
of magnet coil	0.00 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 °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
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	
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/produc	
Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/US/en/ps/US21.CE	

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C005347A 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:LCE01C005347A&lang=en Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C005347A/certificate

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