## SIEMENS

## Data sheet

## US2:LCE01C109208A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 9 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



product brand name       Class LC         design of the product       Electrically held lighting contactor (convertible to r special product feature         Ceneral technical data       Electrically held convertible to mechanically held; between NO and NC         Ceneral technical data       III Ib         Weight [Ib]       11 kb         Height X Width X Depth [in]       14 × 8 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [If] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -25 +40 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       9         number of NC contacts for main contacts       1         operating voltage for main contacts       1         vipidal       10A @120V / 3A @277V 1p 1ph         rated value       20A @480V 2p 1ph         • at tungsten (1 pole per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (3 poles per 3 phases) rated value       30A @600V 2p 1ph         • at tungsten (1 pole ser 1 phase) ra	
special product feature       Electrically held convertible to mechanically held; between NO and NC         General technical data	mechanically held)
General technical data           weight [tb]         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           country of origin         USA           Contactor         30 Amp           size of contactor         30 Amp           number of NC contacts for main contacts         9           number of NC contacts for main contacts         1           operating voltage for main current circuit at AC at 60 Hz         600 V           maximum         100000           Type of main contacts of lighting contactor         i           • with electronic ballast [LED driver] (1 pole per 1 phase)         10A @120V / 3A @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 @400V 2p 1ph           • at tungsten (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at tun	• •
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         country of origin       USA         Contactor       30 Amp         number of NO contacts for main contacts       9         number of NC contacts for main contacts       1         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 (operating cycles) of the main contacts       100000         virite electronic ballast [LED driver] (1 pole per 1 phase)       10A @120V / 3A @277V 1p 1ph         rated value       20A @480V 2p 1ph       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph       20A @480V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph       30A @600V 2p 1ph         • at balla	, Power poles convertible
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<ul> <li>during storage</li> <li>-22 +149 °F</li> <li>during operation</li> <li>-13 +104 °F</li> <li>ambient temperature</li> <li>during storage</li> <li>-30 +65 °C</li> <li>during operation</li> <li>-25 +40 °C</li> <li>country of origin</li> <li>USA</li> </ul> Contactor size of contacts for main contacts <ul> <li>number of NO contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz</li> <li>maximum</li> <li>Type of main contacts</li> <li>contact rating of the main contacts of lighting contactor</li> <li>with electronic ballast [LED driver] (1 pole per 1 phase)</li> <li>rated value</li> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles 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 (3 poles per 3 phases) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at ballast (3 poles per 3 phase) rated value</li> <li>at cesistive load (1 pole per 1 phase) rated value</li> <li>at cesistive load (2 poles per 1 phase) rated value</li> <li>at cesistive load (2 poles per 1 phase) rated value</li> <li>at cesistive load (3 poles per 3 phases) rated value</li> <li></li></ul>	
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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	NA	
Coil		
	AC	
type of voltage of the control supply voltage	AC	
control supply voltage	000 000 1/	
at AC at 60 Hz rated value	200 208 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 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	
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:LCE01C109208A

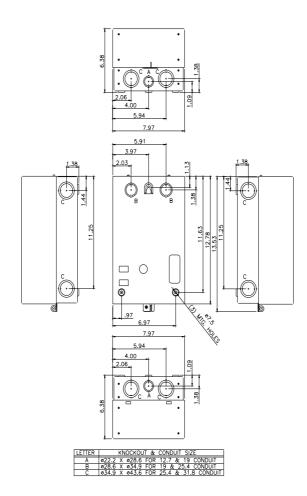
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

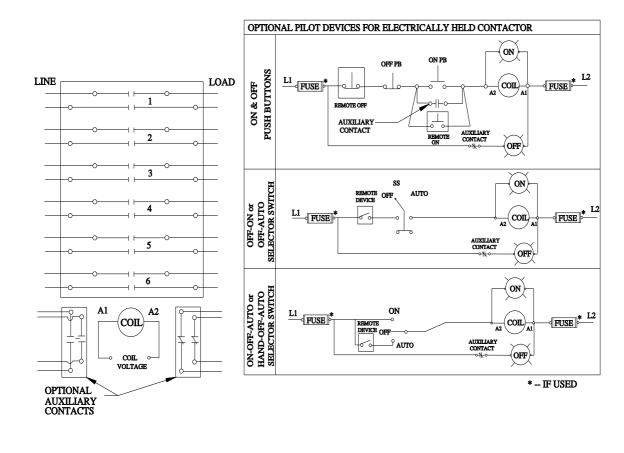
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C109208A

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:LCE01C109208A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C109208A/certificate





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