## SIEMENS

## Data sheet

## US2:LCE01C110208A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 10 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



Figure similar

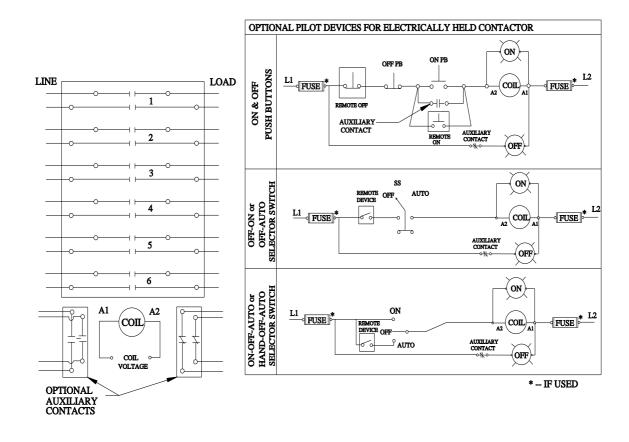
weight [lb]       12 lb         Height x Width x Depth [in]       14 × 8 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -         • during operation       -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       1         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       6000 V         reading and contacts       1         ontacts typical       100000         contact typical       100000         dutingsten (2 poles 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       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	riguresinna	
special product feature         Electrically held convertible to mechanically held; Power poles convertible between NO and NC           Seneral technical data weight [[b] Height x Width x Depth [in] tak 8 × 7 in               12 lb 12 lb 14 * 8 × 7 in            Meight X Width x Depth [in] during stratelectrical shock             installation against electrical shock             mobient temperature [ <sup>r</sup> F]             eduring operation eduring voltage for main contacts             10	product brand name	Class LC
Seneral technical data         convertible between NO and NC           Seneral technical data <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]       12 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       660 ft         ambient temperature ['F]       -         • during storage       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -         • during operation       -25 +65 °C         • during operation       -25 +60 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main current circuit at AC at 60 Hz       600 V         maximum       100000       0000         • 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 @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	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 storage       -25 +40 °C         • during operation       -25 +40 °C         country of origin       USA         State of contactor       30 Amp         number of NC contacts for main contacts       1         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       Silver alloy, double break         mechanical service life (switching cycles) of the main contacts       1         ottungsten (1 pole per 1 phase) rated value       20A @2777 V 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 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 val	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       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         >contactor       30 Amp         number of NC contacts for main contacts       10         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         ortactor       30 Amp         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         ortact rating of the main contacts       1         ortact rating of the main contacts of lighting contactor       400 °C         • 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 ballast (1 pole 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 3p 3ph         • at b	Height x Width x Depth [in]	14 × 8 × 7 in
ambient temperature [F]       -22 +149 "F         • during storage       -30 +104 "F         ambient temperature       -30 +65 "C         • during storage       -30 +65 "C         • during operation       -25 +40 "C         country of origin       USA         Soutactor       30 Amp         number of NC contacts for main contacts       10         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main contacts       1         Type of main contacts       1         contact tring of the main contacts of lighting contactor       100000         contact tring 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 (3 poles per 3 phases) 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 tensitive load (1 pole per 1 phase) rated value       30A @600V 2p 1ph         at tensitive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value <td>touch protection against electrical shock</td> <td>NA for enclosed products</td>	touch protection against electrical shock	NA for enclosed products
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• during storage-30 +65 °C• during operation-25 +40 °Ccountry of originUSAContactor30 Ampnumber of NO contacts for main contacts10number of NC contacts for main contacts1operating voltage for main current circuit at AC at 60 Hz600 VmaximumSilver alloy, double breakmechanical service life (switching cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor100000• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 3 phases) rated value20A @2480V 2p 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 (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 (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 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	<ul> <li>during operation</li> </ul>	-13 +104 °F
• during operation-25 +40 °Ccountry of originUSAContactor30 Ampnumber of NO contacts for main contacts10number of NC contacts for main contacts1operating voltage for main current circuit at AC at 60 Hz600 VmaximumSilver alloy, double breakType of main contactsSilver alloy, double breakcontact strypical100000contact rating of the main contacts of lighting contactor100000e at lungsten (1 pole per 1 phase) rated value20A @277V 1p 1phe at ballast (1 pole per 1 phase) rated value20A @480V 2p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at ballast (2 poles per 1 phase) rated value30A @600V 2p 1phe at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1phe at resistive load (2 poles per 3 phases) rated value30A @600V 2p 1phe at resistive load (3 poles per 3 phases) rated value30A @600V 2p 1phe at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phcontactmumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	ambient temperature	
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size of contactor       30 Amp         number of NO contacts for main contacts       10         number of NC contacts for main contacts       1         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 (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 (3 poles per 3 phases) rated value       20A @480V 3p 3ph         at 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 (3 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         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         at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         at resistive load (3 poles per	during operation	-25 +40 °C
size of contactor30 Ampnumber of NO contacts for main contacts10number of NC contacts for main contacts1operating 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 contacts typical100000contact 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 value20A @277V 1p 1ph• at tungsten (2 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 3 phases) rated value • at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 3 phases) rated value • at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at tersistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• Auxiliary contact30A @600V 3p 3phAuxiliary contact0	country of origin	USA
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<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 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 (2 poles per 1 phase) rated value</li> <li>at resistive load (2 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
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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 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 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, Broch www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product Service&Support (Manuals, Certificates, Characteristics,	t?mlfb=US2:LCE01C110208A

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C110208A

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:LCE01C110208A&lang=en Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C110208A/certificate



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