## SIEMENS

## Data sheet

## US2:LCE02C201208A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 2 N.C. / 1 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

product brand name	Class LC
design of the product	Electrically held lighting contactor (convertible to mechanically held)
special product feature	Electrically held convertible to mechanically held; Power poles convertible between NO and NC
General technical data	
weight [lb]	19 lb
Height x Width x Depth [in]	16 × 13 × 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
<ul> <li>during operation</li> </ul>	-13 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-25 +40 °C
country of origin	USA
Contactor	
size of contactor	30 Amp
number of NO contacts for main contacts	1
number of NC contacts for main contacts	2
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	
<ul> <li>with electronic ballast [LED driver] (1 pole per 1 phase) rated value</li> </ul>	10A @120V / 3A @277V 1p 1ph
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
<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
<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
<ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>	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

Coil       Spee of voltage of the control supply voltage       AC         control supply voltage       at C       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       0.85 1.1 <b>Bedree of</b> protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         degree of protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         mounting position       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening incrue [Uf-in] for supply       35 35 lbr/in         type of electrical connection for supply maximum permissible       75 °C         Cu       Uppe of electrical connection for load-side outgoing feeder         Storew-type terminals       116 16 NBC         tightening torque [Uf-in] for load-side outgoing feeder       24 (1 8 AWG)         tore of electrical connection for load-side outgoing feeder       25 °C         tore outgoing feeder stighe or mult-stranded       24 (1 8 AWG)         tightening torque [Uf-in] for load-	
A result       A result       200 208 V         apparent holds up power of magnet coil at AC       248 VA         apparent holds up power of magnet coil at AC       248 VA         opparent holds up power of magnet coil at AC       248 VA         opparent holds up power of magnet coil at AC       28 VA         opparent holds up power of magnet coil at AC       28 VA         opparent holds up power of magnet coil at AC       28 VA         degree of protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         degree of protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [Ib/in] for supply       35 35 lb/in         type of connectable conductor ross-sections at line-side for 2x (14 8 AWG)         AWG cables single or multi-stranded       Screw-type terminals         tightening torque [Ib/in] for load-side outgoing feeder       35 35 lb/in         type of electrical connection for load-side outgoing feeder       35 35 lb/in         type of electrical connection for load-side outgoing feeder       35 35 lb/in         type of electrical connection for	
• 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       degree of protection NEMA rating of the enclosure     NEMA Type 3R (convertible), 4, 12 enclosure       degree of protection NEMA rating of the enclosure     NEMA Type 3R (convertible), 4, 12 enclosure       degree of protection NEMA rating of the enclosure     NEMA Type 3R (convertible), 4, 12 enclosure       mounting position     Vertical       fastening method     Surface mounting and installation       type of electrical connection for supply voltage line-side     Screw-type terminals       tightening torque [bf/in f] or supply     35 35 lbf/in       type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded     CU       temperature of the conductor for supply maximum permissible     75 °C       material of the conductor for load-side outgoing feeder     Screw-type terminals       tightening torque [bf/in f] or tolad-side outgoing feeder     Screw-type terminals       tightening torque [bf/in f] or load-side outgoing feeder     Screw-type terminals       tightening torque [bf/in f] or load-side outgoing feeder     Screw-type terminals       tightening torque [bf/in f] or load-side outgoing feeder     Sc (14 8 AWG)       Avid C conhe	
apparent holding 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       0.85 1.1         degree of protection NEMA rating of the enclosure       0.85 1.1         design of the housing       Dust-light, watertight & weather proof         Mounting/wiring       Dust-light, watertight & weather proof         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbFin] for supply       35 35 lbFin         VAVC cables single or multi-stranded       2k (14 8 AVKG)         type of electrical connector for load-side outgoing feeder       35 35 lbFin         type of electrical connector for load-side outgoing feeder       35 35 lbFin         type of electrical connector for load-side outgoing feeder       2k (14 8 AVKG)         type of electrical connector for load-side outgoing feeder       75 °C         type of electrical connector for load-side outgoing feeder       2k (14 8 AVKG)         type of electrical connector for load-side outgoing feeder       2k (14 18 MVG)         type of electrical connector	
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design of the housing       Dust-tight, watertight & weather proof         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       2x (14 8 AWG)         AWG cables single or multi-stranded       75 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for supply CU       CU         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         maximum permissible       Screw-type terminals         tightening torque [lbf-in] at magnet coil       15 15 lbf-in         type of electrical connection of magnet coil       2x (14 8 AWG)         for connectable conductor at magnet coil for	
Mounting/wiring         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           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 coulding feeder         Screw-type terminals           type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         35 35 lbf-in           type of electrical connection for load-side outgoing feeder         75 °C           temperature of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor roms-sections of magnet coil of 2x (18 15 lbf-in         2x (18 14 AWG)           AWG cables single or multi-stranded         2x (18 14 AWG)	
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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)       24 kA	
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circuit required     Thermal magnetic circuit breaker       design of the short-circuit trip     Thermal magnetic circuit breaker       maximum short-circuit current breaking capacity (Icu)     24 kA	
maximum short-circuit current breaking capacity (Icu)       • at 240 V       24 kA	
• 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	



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:LCE02C201208A

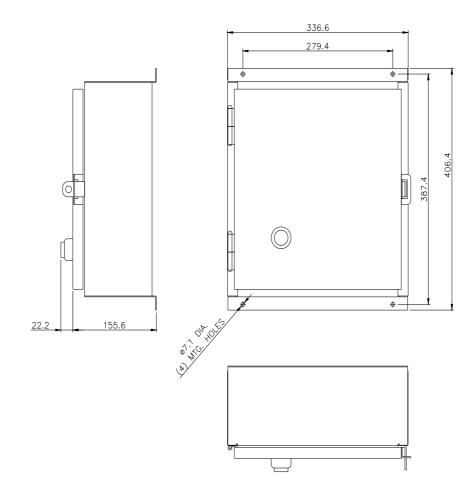
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

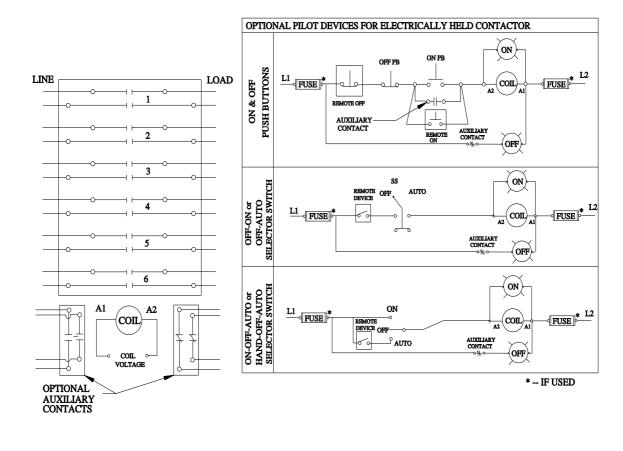
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C201208A

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:LCE02C201208A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C201208A/certificate





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