## SIEMENS

## Data sheet

## US2:LCE02C007277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 0 N.C. / 7 N.O. poles, 277V 60Hz / 240V 50Hz coil, Noncombination 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
during operation	-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	7
number of NC contacts for main contacts	0
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       AC         type of voltage of the control supply voltage       AC         control supply voltage       • at AC at 50 Hz rated value         • at AC at 50 Hz rated value       240 V         apparent pick-up power of magnet coil at AC       248 VA         apparent pick-up 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       NEMA Type 3R (convertible), 4, 12 enclosure         degree of protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         mounting voition       Vertical         fastening method       Surface mounting and installation         type of electrical connectolo for supply voltage line-side       Screw-type terminals         tightening torque [lbf:in] for supply       35 35 lbFin         type of connectable conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       25 35 lbFin         tightening torque [lbf:in] for load-side outgoing feeder       35 35 lbFin         type of electrical connecton for load-side outgoing feeder       35 35 lbFin         type of electrical connecton for load-side outgoing feeder       35 35 lbFin <th>contact rating of auxiliary contacts of contactor according to UL</th> <th>NA</th>	contact rating of auxiliary contacts of contactor according to UL	NA
type of voltage of the control supply voltage         AC           control supply voltage         4 AC at 50 Hz rated value         240 V           • at AC at 60 Hz rated value         277 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 <b>Enclosure</b> degree of protection NEMA rating of the enclosure         NEMA Type 3R (convertible), 4, 12 enclosure           degree of protection NEMA rating of the enclosure         Vertical         fastening method           mounting/wiring         Dust-tight, watertight & weather proof           Mounting/wiring         mounting position         Vertical           fastening method         Surface mounting and installation           type of connectable conductor rorses-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 rolad-side outgoing feeder         35 35 lbf-in           type of electrical connection for load-side outgoing feeder         35 35 lbf-in           type of electrical connection for supply maximum permissible         75 °C           material of the conductor for load-side outgoing feed		
Image: Control supply voltage       Image: Control supply voltage         • at AC at 50 Hz rated value       277 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       NEMA Type 3R (convertible), 4, 12 enclosure         degree of protection NEMA rating of the enclosure       NEMA Type 3R (convertible), 4, 12 enclosure         design of the housing       Dust-tight, watertight & weather proof         Mounting/wiring       mounting position         Ype of connectable conductor ross-sections at line-side for AWG cables single or multi-stranded       Screw-type terminals         tightening torque [bf-in] for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       Screw-type terminals         tightening torque [bf-in] for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         tightening torque		AC
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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 for load-side outgoing feeder	Screw-type terminals
for load-side outgoing feeder single or multi-stranded         temperature of the conductor for load-side outgoing feeder         maximum permissible         material of the conductor for load-side outgoing feeder         CU	tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
maximum permissible material of the conductor for load-side outgoing feeder CU	51	2x (14 8 AWG)
		75 °C
type of electrical connection of magnet coil Screw-type terminals	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	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)		2x (18 14 AWG)
temperature of the conductor at magnet coil maximum 75 °C		75 °C
material of the conductor at magnet coil CU	material of the conductor at magnet coil	CU
Short-circuit current rating	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)		100kA@600V (Class R or J 40A max)
design of the short-circuit trip Thermal magnetic circuit breaker	design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (lcu)	maximum short-circuit current breaking capacity (lcu)	
• at 240 V 24 kA	• at 240 V	24 kA
• at 480 V 65 kA	• at 480 V	65 kA
• at 600 V 25 kA	• at 600 V	25 kA
certificate of suitability NEMA ICS 2; UL 508	certificate of suitability	NEMA ICS 2; UL 508
Approvals Certificates	Approvals Certificates	
Test Certificates		

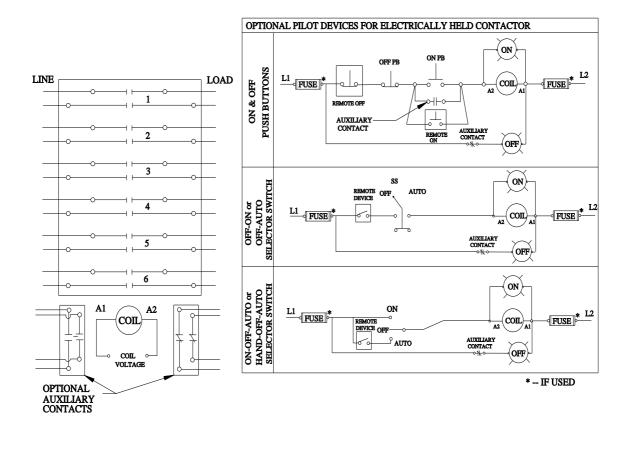


Further information

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:LCE02C007277A Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C007277A 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:LCE02C007277A&lang=en Certificates/approvals

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