SIEMENS

Data sheet

US2:LCE02C405277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 4 N.C. / 5 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	5
number of NC contacts for main contacts	4
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	
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value 	10A @120V / 3A @277V 1p 1ph
 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 (3 poles per 3 phases) rated value 	20A @480V 3p 3ph
 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
 at ballast (3 poles per 3 phases) rated value 	30A @600V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	30A @600V 1p 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
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
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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		

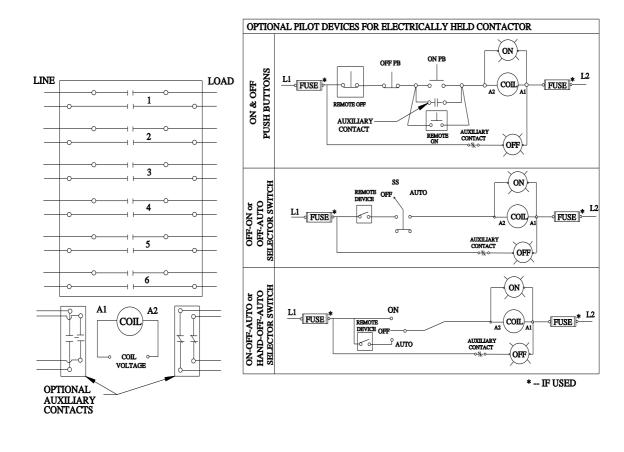


Further information

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:LCE02C405277A Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C405277A 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:LCE02C405277A&lang=en Certificates/approvals

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