SIEMENS

Data sheet

US2:LCE01C801600A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 8 N.C. / 1 N.O. poles, 575-600V 60Hz/550V 50Hz coil, Noncombination type, Enclosure NEMA type 1, Indoor general purpose use



product brand name Class LC design of the product Electrically held lighting contactor (convertible to mechanically held) general technical data Electrically held convertible to mechanically held. Power poles convertible between NO and NC weight [b] 11 lb Height x Width x Depth [n] 14 × 8 × 7 in Stock protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6660 ft ambient temperature [rF] -3+104 °F - during operation -3+104 °F - during operation -25+40 °C - during operation -25+40 °C contactor 30 Amp number of NC contacts for main contacts 8 operating voltage for main contacts 8 operating voltage for main contacts 9 optical full of the main contacts Silver alloy, double break mechanical service life (operating cycles) of the main contacts Silver alloy, double break out ungsten (2 poles per 1 phase) rated value 20A @277V 1p 1ph et at bials (2 poles per 1 phase) rated value 20A @20V 2p 1ph et a bialis (2 poles per 1 phase) rated value 30A @600V 2p 3ph et a bialis (2 poles per 1 phase) rated value 30A @600V 2p 3ph et a bialist (2 poles per 1 phase) rated value 3		
special product feature Electrically held convertible to mechanically held; Power poles convertible General technical data Illebween NO and NC General technical data Illebween NO and NC General technical data Illebween NO and NC General technical data Illeb Height X Widh X Deph [in] Illeb Usch protection sgainst electrical shock NA for enclosed products installation altitude [i] at height above sea level maximum 6600 ft ambient temperature [F] -22 +149 "F • during storage -30 +65 "C • during storage -30	product brand name	Class LC
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• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @347V 1p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) 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 3phAuxiliary contact30A @600V 3p 3phnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	 at tungsten (1 pole per 1 phase) rated value 	20A @277V 1p 1ph
• at ballast (1 pole per 1 phase) rated value30A @347V 1p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) 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 3phAuxiliary contact0number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	 at tungsten (2 poles per 1 phase) rated value 	20A @480V 2p 1ph
 at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive rate value at rate value at rate value at resistive rate value	 at tungsten (3 poles per 3 phases) rated value 	20A @480V 3p 3ph
• 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 30A @600V 3p 3ph number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph
• 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 30A @600V 3p 3ph number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 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 30A @600V 3p 3ph number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at ballast (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 Auxiliary contact	• at resistive load (1 pole per 1 phase) rated value	30A @600V 1p 1ph
Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at resistive load (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	• at resistive load (3 poles per 3 phases) rated value	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 50 Hz rated value	550 V
• at AC at 60 Hz rated value	575 600 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 (lcu)	
• 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	

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

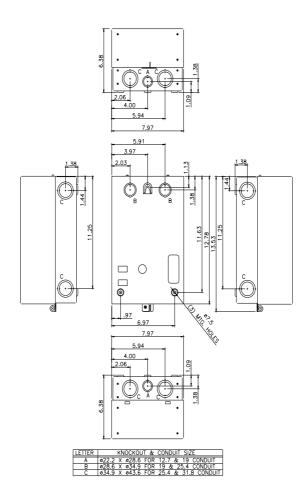
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C801600A

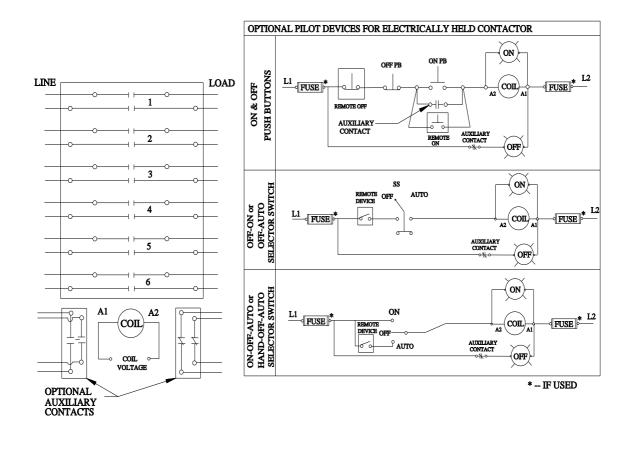
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C801600A

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:LCE01C801600A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C801600A/certificate





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