SIEMENS

Data sheet

US2:LCE01C408024A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 4 N.C. / 8 N.O. poles, 24V 60Hz / 20V 50Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



Figure similar

product brand name Class LC design of the product feature Electrically held lighting contactor (convertible to mechanically held) special product feature Electrically held dighting contactor (convertible to mechanically held) weight [b] 12 lb Height X Width X Depth [in] 14 x 8 x 7 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum ambient temperature [*F] • during storage -22+149 *F • during storage -23+410 *C • during storage -30+65 *C • during storage -30+65 *C • during storage -30+65 *C • during operation -25+40 *C country of origin USA Contactor 30 Amp number of NC contacts for main contacts 8 number of NC contacts for main contacts 4 operating voltage for main current circuit at AC at 60 Hz 500 V maximum 100000 contacts file (switching cycles) of the main contacts 4 operating voltage for nain contacts 100000 <	riguresinna	
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 at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) 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 		100000
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 at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles 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 2p 1ph at resistive load (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 2p 1ph at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph 	 at tungsten (1 pole per 1 phase) rated value 	20A @277V 1p 1ph
 at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value 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 (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 load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 	 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 (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 tungsten (3 poles per 3 phases) rated value 	20A @480V 3p 3ph
 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 (3 poles per 3 phases) rated value 30A @600V 3p 3ph 30A @600V 2p 1ph 30A @600V 3p 3ph 	 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph
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 Auxiliary contact	 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	 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	 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
number of NC contacts for auviliany contacts	Auxiliary contact	
	number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts 0	number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	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	20 V
 at AC at 60 Hz rated value 	24 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	0.85 1.1
of magnet coil	0.00 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, Brochu	ıres,)
<u>www.usa.siemens.com/iccatalog</u> Industry Mall (Online ordering system)	

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C408024A

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

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C408024A

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:LCE01C408024A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C408024A/certificate

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