SIEMENS

Data sheet

US2:LCE02C104600A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 4 N.O. poles, 575-600V 60Hz/550V 50Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

design of the product special product feature eneral technical data weight [lb] Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature	Electrically held lighting contactor (convertible to mechanically held) Electrically held convertible to mechanically held; Power poles convertible between NO and NC 19 lb 16 × 13 × 6 in NA for enclosed products 6560 ft -22 +149 °F -13 +104 °F
eneral technical data weight [lb] Height x Width x Depth [in] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation	between NO and NC 19 lb 16 × 13 × 6 in NA for enclosed products 6560 ft -22 +149 °F -13 +104 °F
weight [lb] Height x Width x Depth [in] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation	16 × 13 × 6 in NA for enclosed products 6560 ft -22 +149 °F -13 +104 °F
Height x Width x Depth [in] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation	16 × 13 × 6 in NA for enclosed products 6560 ft -22 +149 °F -13 +104 °F
 anticipation against electrical shock anstallation altitude [ft] at height above sea level maximum ambient temperature [°F] during storage during operation 	NA for enclosed products 6560 ft -22 +149 °F -13 +104 °F
nstallation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation	6560 ft -22 +149 °F -13 +104 °F
 ambient temperature [°F] during storage during operation 	-22 +149 °F -13 +104 °F
during storageduring operation	-13 +104 °F
during operation	-13 +104 °F
ambient temperature	20 165 °C
	20 165 °C
during storage	-30 +65 °C
during operation	-25 +40 °C
country of origin	USA
ontactor	
size of contactor	30 Amp
number of NO contacts for main contacts	4
number of NC contacts for main contacts	1
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
uxiliary contact	
number of NC contacts for auxiliary contacts	0
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	NA
	AC
type of voltage of the control supply voltage	AC
control supply voltage	550.1/
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 12
design of the housing	dustproof and drip-proof for indoor use
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 (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, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

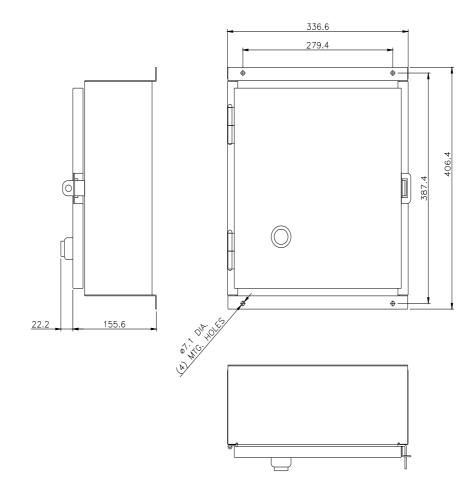
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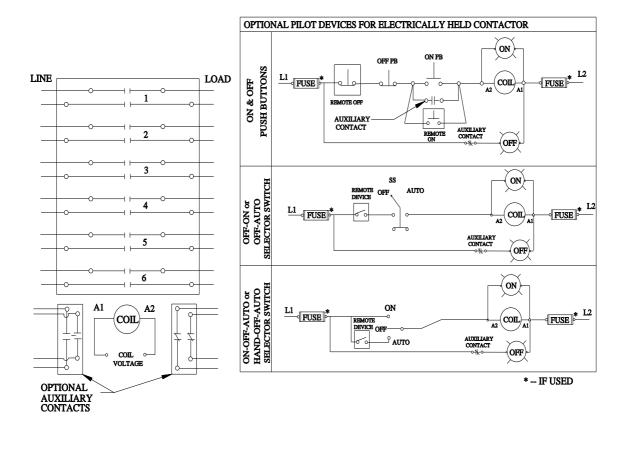
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Certificates/approvals

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