SIEMENS

Data sheet US2:LCE02C801024A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 8 N.C. / 1 N.O. poles, 24V 60Hz / 20V 50Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

sign of the product ecial product feature eral technical data ight [lb] ight x Width x Depth [in] ch protection against electrical shock tallation altitude [ft] at height above sea level maximum bient temperature [°F] • during storage • during operation bient 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 -30 +65 °C -25 +40 °C USA
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bient temperature [°F] • during storage • during operation	-22 +149 °F -13 +104 °F -30 +65 °C -25 +40 °C
during storage during operation	-30 +65 °C -25 +40 °C
during operation	-30 +65 °C -25 +40 °C
• •	-30 +65 °C -25 +40 °C
bient temperature	-25 +40 °C
	-25 +40 °C
during storage	
during operation	USA
untry of origin	
actor	
e of contactor	30 Amp
mber of NO contacts for main contacts	1
mber of NC contacts for main contacts	8
erating voltage for main current circuit at AC at 60 Hz ximum	600 V
pe of main contacts	Silver alloy, double break
chanical service life (operating cycles) of the main contacts ical	100000
ntact 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
liary contact	
mber of NC contacts for auxiliary contacts	0
mber of NO contacts for auxiliary contacts	0
mber 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 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
	65 kA
● at 480 V	
• at 480 V • at 600 V	25 kA



Test Certificates

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

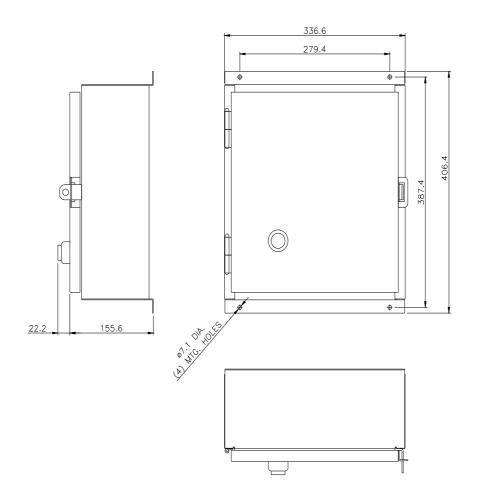
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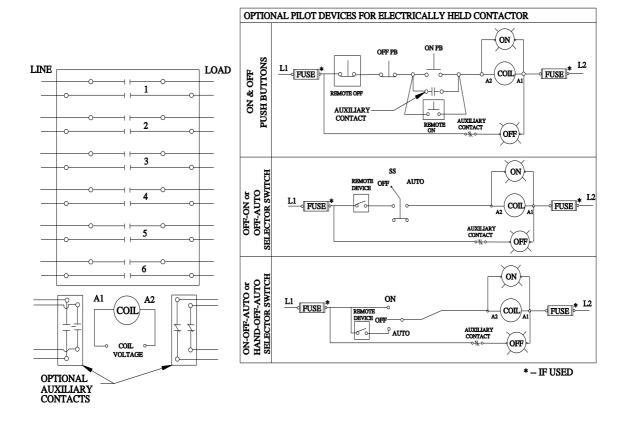
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE02C801024A

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:LCE02C801024A&lang=en

Certificates/approvals

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