SIEMENS

Data sheet

US2:LCE04C105024A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 5 N.O. poles, 24V 60Hz / 20V 50Hz coil, Non-combination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

of the product	Electrically held lighting contactor (convertible to mechanically held)
	Electrically field lighting contactor (convertible to filechanically field)
I product feature	Electrically held convertible to mechanically held; Power poles convertible between NO and NC
technical data	
[lb]	20 lb
x Width x Depth [in]	16 × 13 × 6 in
protection against electrical shock	NA for enclosed products
ation altitude [ft] at height above sea level maximum	6560 ft
nt temperature [°F]	
during storage	-22 +149 °F
during operation	-13 +104 °F
nt temperature	
during storage	-30 +65 °C
during operation	-25 +40 °C
y of origin	USA
or	
contactor	30 Amp
er of NO contacts for main contacts	5
er of NC contacts for main contacts	1
ing voltage for main current circuit at AC at 60 Hz um	600 V
of main contacts	Silver alloy, double break
nical service life (operating cycles) of the main contacts	100000
t rating of the main contacts of lighting contactor	
with electronic ballast [LED driver] (1 pole per 1 phase) ted 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
y contact	
er of NC contacts for auxiliary contacts	0
er of NO contacts for auxiliary contacts	0
er 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 4x 304 stainless steel enclosure
design of the housing	dustproof, waterproof & resistant to corrosion
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
Approvals Certificates	
Test Certificates	

Test Certificates



Further information

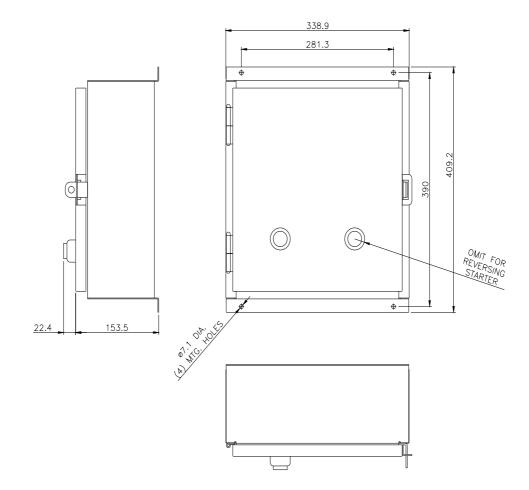
Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE04C105024A

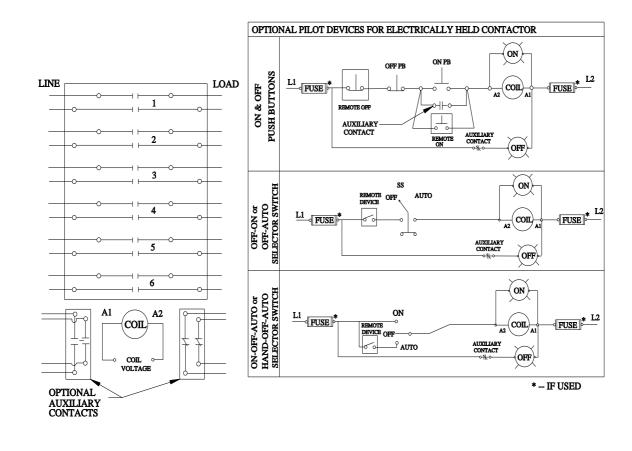
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE04C105024A

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:LCE04C105024A&lang=en

Certificates/approvals

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