SIEMENS

Data sheet

US2:LCE01C103024A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 3 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	Electrically held lighting contactor (convertible to mechanically held)
Special product feature	Electrically held convertible to mechanically held; Power poles convertible between NO and NC

General technical data	
Weight [lb]	11 lb
Height x Width x Depth [in]	14 × 8 × 7 in
Protection against electrical shock	NA for enclosed products
Installation altitude [ft] at height above sea level maximum	6560 ft
Ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-13 +104 °F
Ambient temperature	
during storage	-30 +65 °C
during operation	-25 +40 °C
Country of origin	USA

Size of contactor Number of NO contacts for main contacts Operating voltage for main current circuit at AC at 60 Hz maximum Mechanical service life (switching cycles) of the main contacts vipical Contact rating of the main contacts of lighting contactor • 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 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 (2 poles per 1 phase) rated value • at a ballast (2 poles per 1 phase) rated value • at a ballast (2 poles per 1 phase) 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 (4 pole per 1 phase) rated value • at resistive load (5 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at at a so tate at the resistive load (6 poles per 3 phases) rated value • at a contact for auxiliary contacts Number of NO contacts for auxiliary contacts NA Contact rating of auxiliary contacts maximum 4 Contact rating of the control supply voltage • at AC at 50 Hz rated value • at	Contactor	
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Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Enclosure Degree of protection NEMA rating of the enclosure NEMA Type 1	• at AC at 60 Hz rated value	24 V
Operating range factor control supply voltage rated value of magnet coil Enclosure Degree of protection NEMA rating of the enclosure NEMA Type 1	Apparent pick-up power of magnet coil at AC	248 V·A
Value of magnet coil Enclosure Degree of protection NEMA rating of the enclosure NEMA Type 1	Apparent holding power of magnet coil at AC	28 V·A
Degree of protection NEMA rating of the enclosure NEMA Type 1		0.85 1.1
	Enclosure	
Design of the housing Indoor general purpose use	Degree of protection NEMA rating of the enclosure	NEMA Type 1
	Design of the housing	Indoor general purpose use
Mounting/wiring		
Mounting position Vertical	Mounting position	Vertical

Mounting type	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 conductors 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 conductors 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 conductors 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

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

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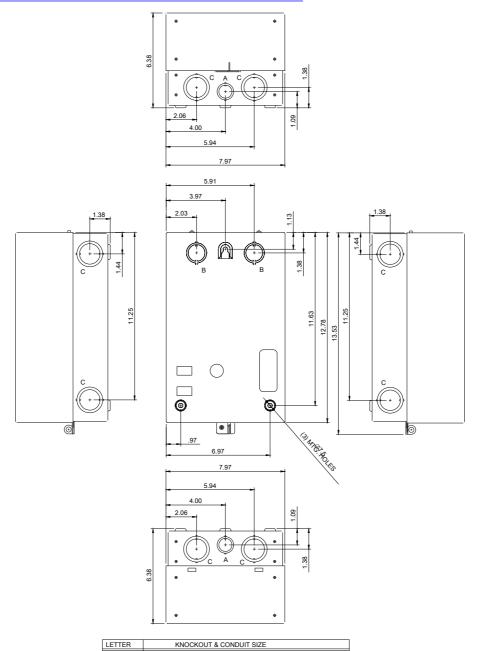
Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C103024A

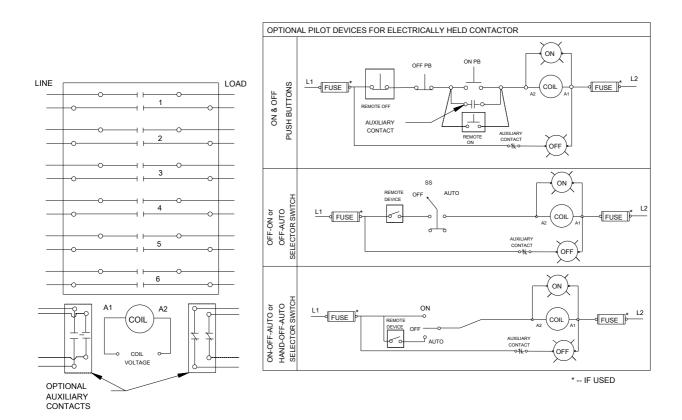
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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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:LCE01C103024A&lang=en



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04/10/2020 last modified: