SIEMENS

Data sheet

US2:LCE01C105277A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 5 N.O. poles, 277V 60Hz / 240V 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	6560 ft	
maximum		
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	

Contactor	
Size of contactor	30 Amp
Number of NO contacts for main contacts	5
Number of NC contacts for main contacts	1
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V
Mechanical service life (switching cycles) of the main contacts typical	100000
Contact rating of the main contacts of lighting contactor	
 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
Auxiliary contact	
Auxiliary contact Number of NC contacts for auxiliary contacts	0
	0 0
Number of NC contacts for auxiliary contacts	
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts	0
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor	0 4
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL	0 4
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil	0 4 NA
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage	0 4 NA
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Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value	0 4 NA AC 240 V
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value	0 4 NA AC 240 V 277 V
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC	0 4 NA AC 240 V 277 V 248 V·A
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC	0 4 NA AC 240 V 277 V 248 V·A 28 V·A
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated	0 4 NA AC 240 V 277 V 248 V·A 28 V·A
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil	0 4 NA AC 240 V 277 V 248 V·A 28 V·A
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage Control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Enclosure	0 4 NA AC 240 V 277 V 248 V·A 28 V·A 0.85 1.1
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of total auxiliary contacts maximum Contact rating of auxiliary contacts of contactor according to UL Coil Type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC 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	0 4 NA AC 240 V 277 V 248 V·A 28 V·A 0.85 1.1 NEMA Type 1

Mounting type	Surface mounting and installation
Type of electrical connection for supply voltage line-	Screw-type terminals
side	
Tightening torque [lbf·in] for supply	35 35 lbf·in
Type of connectable conductor cross-sections at line-	2x (14 8 AWG)
side at AWG conductors single or multi-stranded	
Temperature of the conductor for supply maximum	75 °C
permissible	
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	35 35 lbf·in
feeder	
Type of connectable conductor cross-sections at	2x (14 8 AWG)
AWG conductors for load-side outgoing feeder single	
or multi-stranded	
Temperature of the conductor for load-side outgoing	75 °C
feeder maximum permissible	
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	2x (18 14 AWG)
magnet coil at AWG conductors single or multi-	
stranded	
Temperature of the conductor at magnet coil	75 °C
maximum permissible	
Material of the conductor at magnet coil	CU
Short-circuit current rating	
Design of the fuse link for short-circuit protection of	100kA@600V (Class R or J 40A max)
the main circuit required	
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

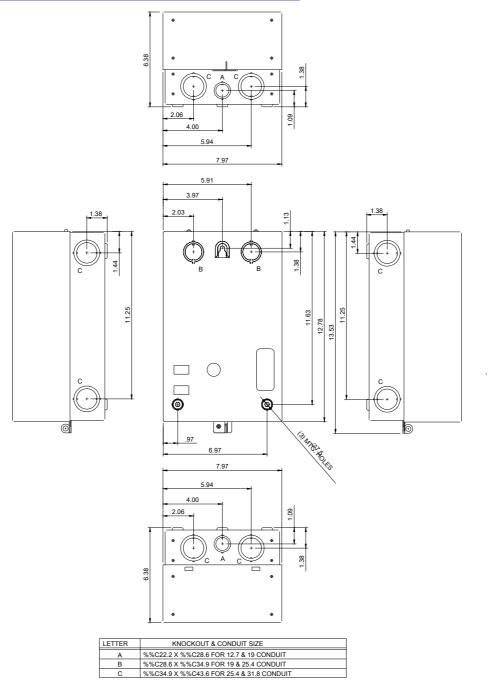
Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog

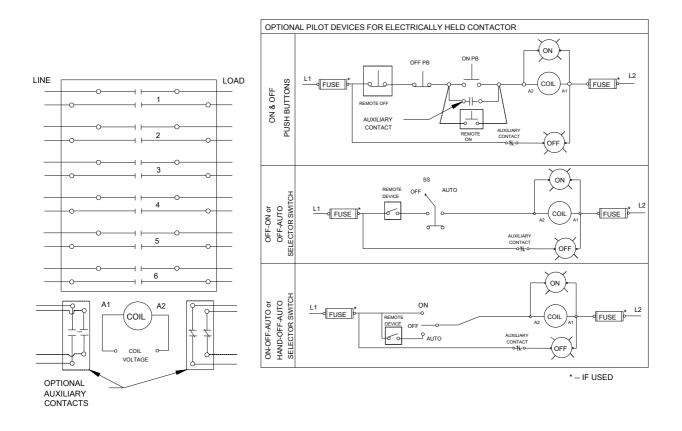
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C105277A

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