## SIEMENS

## Data sheet

## US2:LCE01C106208A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 1 N.C. / 6 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



Figuresimilar

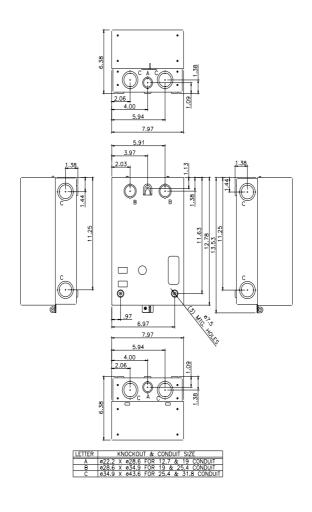
weight [lb]       11 lb         Height x Width x Depth [in]       14 x 8 x 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature [F]       -22 +149 "F         • during operation       -33 +165 °C         • during operation       -30 +65 °C         • during operation       -25 +40 °C         • during operation       -25 +40 °C         • during operation       -26 +65 °C         • during operation       -30 +65 °C         • during operation       -30 +65 °C         • during operation       -25 +40 °C         Contactor       30 Amp         number of NC contacts for main contacts       6         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       100000         maximum       100000         contact typical       20A @277V 1p 1ph         contact typical       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value	Figure sinnar	
special product feature         Electrically held convertible to mechanically held; Power poles convertible between NO and NC           General technical data weight [[b] Height X Width X Depth [in] tastlation against electrical shock installation alitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during storage             • during storage • during storage             • during storage • during storage • during storage • during storage • during storage • during storage             • during             * during s	product brand name	Class LC
convertible between NO and NC           General technical deta           weight [b]         11 b           Height X With x Depth [in]         14 × 8 × 7 in           touch protection against electrical shock         NA for enclosed products           installation altitude [ft] at height above sea level maximum         6660 ft           ambient temperature [°F]         -22 +149 °F           • during operation         -33 +104 °F           • during storage         -30 +65 °C           • during operation         25 +40 °C           • during operation         25 +40 °C           • during operation         26 +40 °C           • outing storage         -30 +65 °C           • during operation         25 +40 °C           • outing operation         26 +40 °C           • outing operation         20 +65 °C           • outing operation         10 +60 °C           • outing torage         -30 +65 °C           • outing torage         -30 +65 °C           • outing torage	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [lb]       11 lb         Height X Width X Depth [in]       14 x 8 x 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       650 ft         ambient temperature ['F]       -         • during operation       -13 +104 °F         ambient temperature       -         • during operation       -25 +40 °C         • during operation       -25 +40 °C         • during operation       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Silver alloy, double break         Type of main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         contact stripcal       20A @277V 1p 1ph         • at tungsten (1 pole per 1 phase) rated value       20A @2480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (	special product feature	
List Vidth x Depth [in]       14 x 8 x 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       660 ft         ambient temperature ['F]       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature ['F]       -25 +40 °C         • during operation       -26 (0 th)         • during operation       -25 (0 th)         • during operation       -26 (0 th)         • during ofta (0 th)       -20 (0 th) <tr< td=""><td>General technical data</td><td></td></tr<>	General technical data	
Lock protection against electrical shock       NA for enclosed products         installation altitude [II] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 °F         • during operation       -13 +104 °F         • during operation       -30 +65 °C         • during operation       -25 +40 °C         • during operation       -25 +40 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       50 Amp         number of NC contacts for main contacts       6         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       100000         maximum       100000         Type of main contacts of lighting contactor       1         • at tungsten (1 pole per 1 phase) rated value       20A @277V 1p 1ph         • at tungsten (2 poles per 3 phases) rated value       20A @480V 2p 1ph         • at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at	weight [lb]	11 lb
installation altitude [ft] at height above sea level maximum ambient temperature [°F]6560 ft• during storage-22 +149 °F• during operation-13 +104 °Fambient temperature-30 +65 °C• during operation25 +40 °C• country of originUSAContactorsize of contactornumber of NC contacts for main contacts0 or anio contacts for main contacts10 operating voltage for main current circuit at AC at 60 Hzmachanical service life (switching cycles) of the main contacts typicalContact rating of the main contacts of lighting contactor• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @2480V 2p 1ph• at tungsten (2 poles per 1 phase) rated value20A @2600V 3p 3ph• at ballast (2 poles per 1 phase) rated value30A @600V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 3p 3ph• at ballast (2 poles per 1 phase) rated value30A @600V 3p 3ph• at ballast (2 poles per 1 phase) rated value30A @600V 3p 3ph• at ballast (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value<	Height x Width x Depth [in]	14 × 8 × 7 in
ambient temperature ["F]       -22 +149 "F         • during storage       -22 +149 "F         • during operation       -13 +104 "F         ambient temperature       -25 +40 "C         • during operation       -25 +40 "C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       6         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Silver alloy, double break         Type of main contacts       1         rechanical service life (switching cycles) of the main contacts of lighting contactor       100000         contact traing of the main contacts of lighting contactor       1         • at tungsten (1 pole per 1 phase) rated value       20A @277V 1p 1ph         • at tungsten (2 poles per 3 phases) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 3 phases) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600	touch protection against electrical shock	NA for enclosed products
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Size of contactor       30 Amp         number of NO contacts for main contacts       6         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 (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         at tungsten (2 poles per 1 phase) rated value       20A @277V 1p 1ph         at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         at tungsten (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ta ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         at resistive	during operation	-25 +40 °C
size of contactor30 Ampnumber of NO contacts for main contacts6number of NC contacts for main contacts1operating voltage for main current circuit at AC at 60 Hz maximum600 VType of main contactsSilver alloy, double breakmechanical service life (switching cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at r	country of origin	USA
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contacts typicalcontact rating of the main contacts of lighting contactorat tungsten (1 pole per 1 phase) rated value20A @277V 1p 1phat tungsten (2 poles per 1 phase) rated value20A @480V 2p 1phat tungsten (3 poles per 3 phases) rated value20A @480V 3p 3phat ballast (1 pole per 1 phase) rated value30A @347V 1p 1phat ballast (2 poles per 1 phase) rated value30A @600V 2p 1phat ballast (3 poles per 3 phases) rated value30A @600V 3p 3phat resistive load (1 pole per 1 phase) rated value30A @600V 1p 1phat resistive load (2 poles per 1 phase) rated value30A @600V 2p 1phat resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phAuxiliary contactnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	Type of main contacts	Silver alloy, double break
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>20A @480V 2p 1ph</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>20A @480V 3p 3ph</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>30A @347V 1p 1ph</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>30A @600V 2p 1ph</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>30A @600V 3p 3ph</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>30A @600V 1p 1ph</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>30A @600V 2p 1ph</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>30A @600V 3p 3ph</li> </ul> Auxiliary contacts number of NC contacts for auxiliary contacts <ul> <li>0</li> </ul>		100000
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at contacts for auxiliary contacts</li> <li>number of NC contacts for auxiliary contacts</li> <li>0</li> </ul>	contact rating of the main contacts of lighting contactor	
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (5 poles per 3 phases) rated value</li> <li>at resistive load (6 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases)</li> <li>at resistive load (3 poles per 3 phases)</li> <li>at r</li></ul>	<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @277V 1p 1ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (5 poles per 3 phases) rated value</li> <li>at resistive load (6 poles per 3 phases) rated value</li> <li>at resistive load (6 poles per 3 phases) rated value</li> <li>at resistive load (7 poles per 3 phases) rated value</li> <li>at resistive load (1 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (2 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles pe</li></ul>	<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @480V 2p 1ph
• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value0• at resistive load (3 poles per 3 phases) rated value0	<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>30A @600V 3p 3ph</li> </ul> Auxiliary contacts           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
• 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 contacts       0         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0	<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 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         30A @600V 3p 3ph           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph
• at resistive load (3 poles per 3 phases) rated value         30A @600V 3p 3ph           Auxiliary contact         0           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	30A @600V 1p 1ph
Auxiliary contact     0       number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph
number of NO contacts for auxiliary contacts 0	Auxiliary contact	
	number of NC contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	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	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 60 Hz rated value	200 208 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 1
design of the housing	indoors, usable on a general basis
Mounting/wiring	
	Vertical
mounting position	
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals 35 35 lbf-in
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side	2x (14 8 AWG)
at AWG cables single or multi-stranded	
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 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 at 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
breaking capacity maximum short-circuit current (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, Brochu www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product Service&Support (Manuals, Certificates, Characteristics,	<u>!?mlfb=US2:LCE01C106208A</u>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C106208A

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:LCE01C106208A&lang=en Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C106208A/certificate



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