SIEMENS

Data sheet US2:LCE00C401208A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 4 N.C. / 1 N.O. poles, 200-208V 60Hz coil, Non-combination type, Enclosure NEMA type (open), No enclosure

lesign of the product pecial product feature	Electrically held lighting contactor (convertible to mechanically held) Electrically held convertible to mechanically held; Power poles convertible
	Electrically held convertible to mechanically held: Power noise convertible
	between NO and NC
neral technical data	
veight [lb]	3 lb
leight x Width x Depth [in]	7.39 × 4.18 × 3.86 in
ouch protection against electrical shock	Main circuit (finger-safe); Control circuit (finger-safe)
nstallation altitude [ft] at height above sea level maximum	6560 ft
imbient temperature [°F]	
during storage	-22 +149 °F
during operation	-13 +104 °F
imbient temperature	
during storage	-30 +65 °C
during operation	-25 +40 °C
country of origin	USA
ntactor	
ize of contactor	30 Amp
number of NO contacts for main contacts	1
number of NC contacts for main contacts	4
perating voltage for main current circuit at AC at 60 Hz naximum	600 V
ype of main contacts	Silver alloy, double break
nechanical service life (operating cycles) of the main contacts ypical	100000
contact 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
xiliary contact	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum	4

type of voltage of the control supply voltage	contact rating of auxiliary contacts of contactor according to UL	NA	
ontrol supply voltage			
outrol supply voltage	type of voltage of the control supply voltage	AC	
apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil apparent bridging power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil apparent pick-up power of protection NEMA rating of the enclosure degree of protection of supply voltage ine-side utghtening torque [lbf-in] for supply voltage ine-side utghtening torque (pt-in) for load-side outgoing feeder specification of the conductor for load-side outgoing feeder demperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder demperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder plype of electrical connection of magnet coil utget of the conductor of magnet coil utget of the conductor of magnet coil utget of the conductor of load-side outgoing feeder and the conductor of the conductor of load-side outgoing feeder and the conductor of the conductor of load-side outgoing feeder and the conductor of the conductor of load-side o	***		
apparent pick-up power of magnet coil at AC apparent holding power of the conductor of the enclosure Open device (no enclosure) Open device (no encl		200 208 V	
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil magnet coil Enclosure degree of protection NEMA rating of the enclosure		248 VA	
operating range factor control supply voltage rated value of magnet coil Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wring mounting position Vertical fastening method type of electrical connection for supply voltage line-side stype of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible trip of connectable conductor cross-sections for AWG cables for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections of magnet coil fightening torque [lbf-in] for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections of magnet coil type of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder stype of electrical connection of magnet coil type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible or multi-stranded temperature of the conductor at magnet coil maximum permissible or multi-stranded temperature of the conductor at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil	· · · · · · · · · · · · · · · · · · ·	28 VA	
design of the housing NA 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 temperature of the conductor for supply maximum permissible outgoing feeder single or multi-stranded tightening torque (lbf-in) for load-side outgoing feeder Screw-type terminals tightening torque (lbf-in) for supply with the stranded stightening to provide the conductor for supply maximum permissible conductor for supply maximum permissible solutions of the conductor for supply maximum permissible solutions of the conductor for supply Screw-type terminals tightening torque (lbf-in) for load-side outgoing feeder Screw-type terminals tightening torque (lbf-in) for load-side outgoing feeder Screw-type terminals tightening torque (lbf-in) for load-side outgoing feeder Screw-type terminals tightening torque (lbf-in) at magnet coil Screw-type terminals tightening torq	operating range factor control supply voltage rated value of	0.85 1.1	
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 type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply CU type of electrical connection for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder sinc load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible fightening torque [lbf-in] at magnet coil type of electrical connectable conductor or load-side outgoing feeder single or multi-stranded temperature of the conductor at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C Surface maximum single or multi-stranded design of the fuse link for short-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (lcu) at 24 kA at 480 V Self KA NEMA ICS 2; UL 508	•		
mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Screw-type terminals tightening torque [ibf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side for 2x (14 8 AWG) 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 [ibf-in] for load-side outgoing feeder 35 35 lbf-in type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder 35 35 lbf-in type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder 35 35 lbf-in type of electrical connection of load-side outgoing feeder maximum permissible 75 °C material of the conductor for load-side outgoing feeder Type of electrical connection of magnet coil Screw-type terminals Type of electrical connection of magnet coil 55 15 lbf-in Type of connectable conductor cross-sections of magnet coil 55 15 lbf-in Type of connectable conductor at magnet coil 15 15 lbf-in Type of connectable conductor at magnet coil maximum Type of connectable conductor return to the c	degree of protection NEMA rating of the enclosure	Open device (no enclosure)	
mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Screw-type terminals tightening torque (libr in) for supply type of connectable conductor cross-sections at line-side for AVK cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply CU type of electrical connection for load-side outgoing feeder Screw-type terminals tightening torque (libr in) for load-side outgoing feeder Screw-type terminals tightening torque (libr in) for load-side outgoing feeder Screw-type terminals tightening torque (libr in) for load-side outgoing feeder Type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible Type of electrical connection of magnet coil Screw-type terminals tightening torque (libr in) at magnet coil Screw-type terminals tightening torque (libr in) at magnet coil Screw-type terminals tightening torque (libr in) at magnet coil Type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (lcu) • at 240 V • at 480 V • at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508	design of the housing	NA	
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 3535 lbf-in type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible stightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder stightening torque [lbf-in] for load-side outgoing feeder stightening torque [lbf-in] for load-side outgoing feeder stor load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible stightening torque [lbf-in] at magnet coil stightening torque (lbf-in) at magnet coil tordue (lbf	Mounting/wiring		
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side for AVIG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible type of electrical connection for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder CU type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AVIG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil To C Snort-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (lcu) • at 240 V • at 480 V • at 480 V • at 480 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508	mounting position	Vertical	
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type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible 75 °C 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 temperature of the conductor for load-side outgoing 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 Screw-type terminals tightening torque [lbf-in] at magnet coil 15 15 lbf-in type of connectable conductor cross-sections of magnet coil 2x (18 14 AWG) AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible conductor at magnet coil maximum permissible material of the conductor at magnet coil CU CU Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required the fuse link for short-circuit protection of the main circuit required the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit trip Thermal magnetic circuit breaker at 480 V 41 480 V 424 kA 440 V 425 kA 4600 V 425 kA 46	type of electrical connection for supply voltage line-side	Screw-type terminals	
AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible 75 °C 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 Temperature of the conductor for load-side outgoing feeder maximum permissible 2x (14 8 AWG) material of the conductor for load-side outgoing feeder Maximum permissible 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 75 °C Cy	tightening torque [lbf·in] for supply	35 35 lbf·in	
material of the conductor for supply type of electrical connection for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals \$5 35 lbf-in \$2 x (14 8 AWG) \$5 connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil \$5 ccrew-type terminals \$15 15 lbf-in \$2 x (18 14 AWG) \$3 cables single or multi-stranded \$4 temperature of the conductor cross-sections of magnet coil for AWG cables single or multi-stranded \$5 ccrew-type terminals		2x (14 8 AWG)	
type of electrical connection for load-side outgoing feeder 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 temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V • at 480 V • at 480 V • at 65 kA • at 600 V certificate of suitability NEMA ICS 2; UL 508	temperature of the conductor for supply maximum permissible	75 °C	
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cuperature of the conductor at magnet coil material of the conductor at magnet coil cuperature of the short-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 65 kA certificate of suitability NEMA ICS 2; UL 508	material of the conductor for supply	CU	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V • at 480 V • at 650 KA certificate of suitability NEMA ICS 2; UL 508	type of electrical connection for load-side outgoing feeder	Screw-type terminals	
for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip maximum short-circuit current breaking capacity (lcu) • at 240 V • at 480 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508	tightening torque [lbf-in] for load-side outgoing feeder	35 35 lbf·in	
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508		2x (14 8 AWG)	
type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508		75 °C	
tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508	material of the conductor for load-side outgoing feeder	CU	
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508	type of electrical connection of magnet coil	Screw-type terminals	
AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 65 kA at 600 V certificate of suitability NEMA ICS 2; UL 508	tightening torque [lbf-in] at magnet coil	15 15 lbf·in	
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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508	,,	2x (18 14 AWG)	
design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 600 V certificate of suitability 100kA@600V (Class R or J 40A max) Thermal magnetic circuit breaker 24 kA 65 kA 25 kA		75 °C	
design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability 100kA@600V (Class R or J 40A max) Thermal magnetic circuit breaker 24 kA 65 kA 25 kA	material of the conductor at magnet coil	CU	
circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability Thermal magnetic circuit breaker 24 kA 65 kA 25 kA	Short-circuit current rating		
maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508	9	100kA@600V (Class R or J 40A max)	
 at 240 V at 480 V at 600 V certificate of suitability 24 kA 65 kA NEMA ICS 2; UL 508 	design of the short-circuit trip	Thermal magnetic circuit breaker	
• at 480 V • at 600 V 25 kA certificate of suitability NEMA ICS 2; UL 508	maximum short-circuit current breaking capacity (Icu)		
• at 600 V certificate of suitability 25 kA NEMA ICS 2; UL 508	● at 240 V	24 kA	
certificate of suitability NEMA ICS 2; UL 508	● at 480 V	65 kA	
·	● at 600 V	25 kA	
Further information	certificate of suitability	NEMA ICS 2; UL 508	
Tarthor information—	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:LCE00C401208A

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

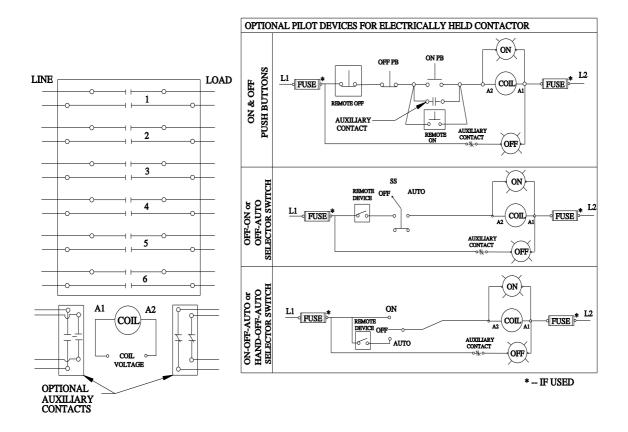
https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C401208A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE00C401208A/certificate





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