## **SIEMENS**

US2:LEN00C012277B **Data sheet** 

Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 12 N.O. Poles, 277VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type (open), No enclosure

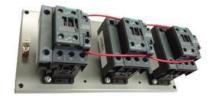


Figure similar

design of the product special product feature  Compact design; Finger safe control terminals  General technical data  weight [lb]  Height x Width x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation ambient temperature • during storage • during operation country of origin  Contactor  size of contactor number of NC contacts for main contacts number of NC 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 valtungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 1 phase) rated value • at tungsten (3 poles per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value • at thallast (1 pole per 1 phase) rated value	product brand name	Class LE	
Weight [lb]  Height x Width x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation ambient temperature  • during storage • during operation  ambient temperature  • during storage • during operation  country of origin  Contactor  size of contactor number of NO contacts for main contacts 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 contact stypical  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 tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 4 phase) rated value • at tungsten (3 poles per 3 phases) rated value	design of the product	Electrically held lighting contactor	
weight [lb] 7 lb Height x Width x Depth [in] 5.87 x 11.75 x 4.07 in touch protection against electrical shock Main circuit (finger-safe); Control circuit (finger-safe) installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [°F] • during storage -67 +176 °F • during operation 32 104 °F ambient temperature • during storage -55 +80 °C • during operation 0 40 °C country of origin Germany  Contactor size of contactor 30 Amp number of NO contacts for main contacts 12 number of NO contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (switching cycles) of the main contacts ypical contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value	special product feature	Compact design; Finger safe control terminals	
Height x Width x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum  ambient temperature [°F]  • during storage • during operation  ambient temperature  • during storage • during operation  ambient temperature  • during operation  country of origin  Contactor  size of contactor  number of NC 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 typical  contact rating of the main contacts of lighting contactor  • at tungsten (1 pole per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (4 pole per 4 phase) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value	General technical data		
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during storage • during operation  country of origin  Contactor  size of contactor number of NC contacts for main contacts number of NC contacts for main current circuit at AC at 60 Hz maximum  mechanical service life (switching cycles) of the main contacts typical  contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value  30A @2480V 3p 3ph	weight [lb]	7 lb	
installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation  ambient temperature • during storage • during storage • during operation  ambient temperature • during storage • during operation  • during operation  country of origin  Contactor  size of contactor  size of contactor  number of NO contacts for main contacts  12  number of NC 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 typical  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 tungsten (3 poles per 3 phases) rated value  30A @480V 3p 3ph	Height x Width x Depth [in]	5.87 × 11.75 × 4.07 in	
ambient temperature [°F]  • during storage  • during operation  ambient temperature  • during storage  • during storage  • during storage  • during operation  255 +80 °C  • during operation  Country of origin  Contactor  size of contactor  size of contacts for main contacts  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 typical  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 tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 4 phase) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 4 phase) rated value	touch protection against electrical shock	electrical shock Main circuit (finger-safe); Control circuit (finger-safe)	
<ul> <li>during storage</li> <li>during operation</li> <li>ambient temperature</li> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>0 40 °C</li> <li>country of origin</li> <li>Germany</li> </ul> Contactor <ul> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> <li>contact rating of the main contacts of lighting contactor <ul> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul> </li> </ul>	installation altitude [ft] at height above sea level maximum	6560 ft	
<ul> <li>during operation</li> <li>ambient temperature</li> <li>during storage</li> <li>during operation</li> <li>during o</li></ul>	ambient temperature [°F]		
ambient temperature  • during storage • during operation  country of origin  Contactor  size of contactor  size of contacts for main contacts  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 typical  contact rating of the main contacts of lighting contactor  • at tungsten (1 pole per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • 30A @480V 3p 3ph	during storage	-67 +176 °F	
<ul> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>0 40 °C</li> <li>Germany</li> </ul> Contactor <ul> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> <li>contact rating of the main contacts of lighting contactor</li> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>30A @480V 2p 1ph</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>30A @480V 3p 3ph</li> </ul>	during operation	operation 32 104 °F	
<ul> <li>during operation</li> <li>country of origin</li> <li>Germany</li> </ul> Contactor <ul> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> <li>contact rating of the main contacts of lighting contactor</li> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>30A @480V 3p 3ph</li> </ul>	ambient temperature		
country of origin  Contactor  size of contactor  number of NO contacts for main contacts  number of NC 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 typical  contact rating of the main contacts of lighting contactor  • at tungsten (1 pole per 1 phase) rated value  • at tungsten (2 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  • at tungsten (3 poles per 3 phases) rated value  30A @480V 3p 3ph	during storage	-55 +80 °C	
size of contactor size of contactor 30 Amp  number of NO contacts for main contacts 12  number of NC contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (switching cycles) of the main contacts typical  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 30A @480V 2p 1ph • at tungsten (3 poles per 3 phases) rated value 30A @480V 3p 3ph	during operation	0 40 °C	
size of contactor  number of NO contacts for main contacts  number of NC 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 typical  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 tungsten (3 poles per 3 phases) rated value  30A @480V 2p 1ph  30A @480V 3p 3ph	country of origin	Germany	
number of NO contacts for main contacts  number of NC 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 typical  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  30A @480V 2p 1ph  • at tungsten (3 poles per 3 phases) rated value  30A @480V 3p 3ph	Contactor		
number of NC 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 typical  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  30A @480V 2p 1ph  • at tungsten (3 poles per 3 phases) rated value  30A @480V 3p 3ph	size of contactor	30 Amp	
operating voltage for main current circuit at AC at 60 Hz maximum  mechanical service life (switching cycles) of the main contacts typical  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 tungsten (3 poles per 3 phases) rated value  30A @480V 2p 1ph  • at tungsten (3 poles per 3 phases) rated value	number of NO contacts for main contacts	12	
maximum  mechanical service life (switching cycles) of the main contacts typical  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  30A @480V 2p 1ph  • at tungsten (3 poles per 3 phases) rated value  30A @480V 3p 3ph	number of NC contacts for main contacts	0	
contacts typical  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  30A @480V 2p 1ph  30A @480V 3p 3ph	, , ,	600 V	
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>30A @277V 1p 1ph</li> <li>30A @480V 2p 1ph</li> <li>30A @480V 3p 3ph</li> </ul>		10000000	
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>30A @480V 2p 1ph</li> <li>30A @480V 3p 3ph</li> </ul>	contact rating of the main contacts of lighting contactor		
• at tungsten (3 poles per 3 phases) rated value 30A @480V 3p 3ph	<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	30A @277V 1p 1ph	
	• at tungsten (2 poles per 1 phase) rated value	30A @480V 2p 1ph	
• at ballast (1 pole per 1 phase) rated value 30A @347V 1p 1ph	• at tungsten (3 poles per 3 phases) rated value	30A @480V 3p 3ph	
at assess ( . polo por i pridoo) rated rated	<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph	
• at ballast (2 poles per 1 phase) rated value 30A @600V 2p 1ph	<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph	
• at ballast (3 poles per 3 phases) rated value 30A @600V 3p 3ph	<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph	
• at resistive load (1 pole per 1 phase) rated value 30A @600V 1p 1ph	<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	30A @600V 1p 1ph	
• at resistive load (2 poles per 1 phase) rated value 30A @600V 2p 1ph	<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph	
• at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph	• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph	
Auxiliary contact	Auxiliary contact		
number of NC contacts at contactor for auxiliary contacts 3	number of NC contacts at contactor for auxiliary contacts	3	
number of NO contacts at contactor for auxiliary contacts 3	number of NO contacts at contactor for auxiliary contacts	3	
number of total auxiliary contacts maximum 4	number of total auxiliary contacts maximum	4	
contact rating of auxiliary contacts of contactor according to UL A600 / Q600		A600 / Q600	

Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
<ul> <li>at AC at 60 Hz rated value</li> </ul>	277 V
apparent pick-up power of magnet coil at AC	261 VA
apparent holding power of magnet coil at AC	28.2 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	Open device (no enclosure)
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	18 22 lbf·in
type of connectable conductor cross-sections at line-side	2x (16 12 AWG), 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	18 22 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12 AWG), 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	7 10 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at contactor for auxiliary contacts	7 12 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class 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	14 kA
certificate of suitability	NEMA ICS 2; UL 508A
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:LEN00C012277B

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00C012277B">https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00C012277B</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=US2:LEN00C012277B&lang=en

Certificates/approvals

https://support.industry.siemens.com/o	cs/US/en/ps/US2:LEN00C012277B/certificate
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