## **SIEMENS**

## Data sheet US2:LCE01C804277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 8 N.C. / 4 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]	12 lb
Height x Width 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	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-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	4
number of NC contacts for main contacts	8
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	
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
<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
• 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	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum	4

Coll  Vige of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  240 V  • at AC at 50 Hz rated value  277 V  apparent pick-up power of magnet coil at AC  298 VA  operating range factor control supply voltage rated value  of magnet coil  Fraction of magnet coil at AC  operating range factor control supply voltage rated value  of magnet coil  fraction of magnet coil at AC  design of the housing  mounting position  Surface mounting and installation  Vertical  Surface	contact rating of auxiliary contacts of contactor according	NA
type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 50 Hz rated value  240 V  apparent pick-up power of magnet coil at AC  ag VA  operating range factor control supply voltage rated value  of magnet coil  fragnet coil  fr	contact rating of auxiliary contacts of contactor according to UL	NA
control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  240 V  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil  actions and apparent holding power of magnet coil  actions and actions and actions and apparent holding power of holding hold	Coil	
at AC at 60 Hz rated value apparent pickup power of magnet coil at AC apparent holding 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 degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure degree of protection nematical protection of the housing  Mounting/wiring mounting position  fastening method syne of electrical connection for supply voltage line-side tightening torque [Ibf-In] for supply ype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply xpe of connectable conductor for load-side outgoing feeder tightening torque [Ibf-In] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWC cables single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil type of connectable conductor at magnet co	type of voltage of the control supply voltage	AC
apparent pick-up power of magnet coil at AC apparent picking power of magnet coil apparent picking power picking picking power picking power pickin	control supply voltage	
apparent pick-up power of magnet coil at AC 28 VA apparent holding power of magnet coil at AC 28 VA operating range factor control supply voltage rated value of magnet coil  Enclosure  degree of protection NEMA rating of the enclosure NEMA Type 1 design of the housing indoors, usable on a general basis  Mounting/wiring mounting position Vertical Surface mounting and installation Strew-type described conductor for supply voltage line-side tightening torque (lbf-in) for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of connectable conductor for supply type of connectable conductor cross-sections at Magnetic distribution of the conductor for supply type of electrical connection for load-side outgoing feeder stightening forque (lbf-in) for load-side outgoing feeder shaled or load-side outgoing feeder shaled or load-side outgoing feeder shaled or load-side outgoing feeder maximum permissible  Temperature of the conductor for load-side outgoing feeder maximum permissible  Temperature of the conductor for load-side outgoing feeder maximum permissible  Temperature of the conductor for load-side outgoing feeder shaled or load-side outgoing fee	at AC at 50 Hz rated value	240 V
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil of magnet coil of magnet coil  Enclosure  degree of protection NEMA rating of the enclosure     design of the housing     mounting viring     mounting position     Surface mounting and installation     type of electrical connection for supply voltage line-side     tightening forque [lbf-in] for supply     35 35 lbf-in     type of connectable conductor cross-sections at line-side     at AWG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     material of the conductor for supply as a single or multi-stranded     type of connectable conductor cross-sections at AWG     cables for load-side outgoing feeder     type of connectable conductor cross-sections at AWG     cables for load-side outgoing feeder maximum permissible     material of the conductor for load-side outgoing feeder     mat	at AC at 60 Hz rated value	277 V
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 position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [ibf-in] for supply  yos de connectable conductor or supply waximum  permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [ibf-in] for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  type of connectable conductor or oss-sections of magnet  coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil  tightening torque [ibf-in] at magnet coil  type of connectable conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the sonductor at magnet coil  toph of electrical connection 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  breaking capacity maximum short-circuit current	apparent pick-up power of magnet coil at AC	248 VA
functional degree of protection NEMA rating of the enclosure  design of the housing  mounting position fastening method type of electrical connection for supply voltage line-side type of electrical connectable conductor cross-sections at line-side at AWG cables single or multi-stranded type of electrical connection for supply waximum permissible material of the conductor for supply type of connectable conductor for supply waximum permissible of conductor for supply type of connectable conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder Type of electrical connection of magnet coil type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil maximum permissible  cut the conductor at magnet coil maximum permissible  design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip  breaking capacity maximum short-circuit current (lcu)  at 4400 V  at 4400 V  at 4400 V  at 4500 V  25 kA	apparent holding power of magnet coil at AC	28 VA
degree of protection NEMA rating of the enclosure  design of the housing    Mounting/wirring		0.85 1.1
design of the housing   indoors, usable on a general basis   Mounting/wiring   mounting position   Surface mounting and installation   Surface mounting and installation   Surface mounting and installation   Screw-type of electrical connection for supply voltage line-side   Screw-type terminals	Enclosure	
mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side tat AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG ables for load-side outgoing feeder small-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material 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 at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible  to the conductor at magnet coil maximum permissible  t	degree of protection NEMA rating of the enclosure	NEMA Type 1
mounting position  fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side at AWC cables single or multi-stranded temperature of the conductor for supply maximum perficiency of connectable conductor for supply maximum permissible  material of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder waximum 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 at 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 maximum permissible  material of the conductor at magnet coil  Screw-type terminals  15 15 lbf-in 22 x (14 8 AWG)  22 x (14 8 AWG)  23 x (14 8 AWG)  24 x (14 8 AWG)  25 x (14 8 AWG)  26 x (14 8 AWG)  27 x (14 8 AWG)  28 x (14 8 AWG)  29 x (14 8 AWG)  20 x (14 8 AWG)  21 x (14 8 AWG)  21 x (14 8 AWG)  21 x (14 8 AWG)  22 x (14 8 AWG)  23 x (14 8 AWG)  24 x A  24 x A  25 x A  24 x A  25 x A	design of the housing	indoors, usable on a general basis
fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil sightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil coll maximum permissible  material of the conductor at magnet coil coll maximum permissible  material of the conductor at magnet coil coll maximum permissible  material of the conductor at magnet coil coll maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil coll 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 maximum permissible  material of the conductor at magnet coil coll maximum permissible  material of the conductor at magnet coil coll maximum permissible  material o	Mounting/wiring	
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil 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 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 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 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 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 maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the co	mounting position	Vertical
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil 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 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 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 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 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 maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the co	fastening method	Surface mounting and installation
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply with type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder waximum permissible 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at 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 maximum permissible material of the conductor at magnet coil maximum permissible material of the sont-circuit protection of the main circuit required design of the fuse link for short-circuit protection of the main circuit required tesign of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 480 V • at 480 V • at 480 V • at 600 V		-
type of connectable conductor cross-sections at line-side at 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 tightening torque [lbf-in] for load-side outgoing feeder stranded temperature of the conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil type of connectable conductor at magnet coil at 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  et at 240 V  et at 480 V  et at 480 V  et at 600 V		**
temperature of the conductor for supply maximum permissible  material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 at 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  breaking capacity maximum short-circuit current (Icu)  at 24 kA  at 480 V  at 480 V  at 480 V  at 65 kA  at 600 V	type of connectable conductor cross-sections at line-side	2x (14 8 AWG)
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables 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 connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil material of the conductor at magnet coil coil to the fuse link for short-circuit protection of the main circuit required design of the fuse link for short-circuit current (lcu) e at 240 V e at 480 V e at 480 V e at 480 V e at 600 V	temperature of the conductor for supply maximum	75 °C
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 sections of magnet coil at 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 sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible material of the sonductor at magnet coil maximum permissible  adesign of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 480 V • at 600 V	material of the conductor for supply	CU
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multistranded  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 connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil  type of connectable conductor cross-sections of magnet coil at 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  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 480 V  • at 600 V	type of electrical connection for load-side outgoing feeder	Screw-type terminals
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 at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil  Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (lcu)  • at 240 V • at 480 V • at 600 V  25 kA	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 stightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at 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  breaking capacity maximum short-circuit current (lcu)  • at 240 V • at 480 V • at 600 V  CU  CU  CU  24 kA  • at 600 V	cables for load-side outgoing feeder single or multi-	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 at 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  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  Screw-type terminals  Screw-type terminals  15 15 lbf-in  2x (18 14 AWG)  CU  CU  CU  Thermal magnetic circuit breaker		75 °C
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil at 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  breaking capacity maximum short-circuit current (Icu)  at 240 V  at 480 V  at 65 kA  at 600 V	material of the conductor for load-side outgoing feeder	CU
type of connectable conductor cross-sections of magnet coil at 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  breaking capacity maximum short-circuit current (Icu)  • at 240 V • at 480 V • at 65 kA • at 600 V	type of electrical connection of magnet coil	Screw-type terminals
coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  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  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 65 kA  • at 600 V	tightening torque [lbf·in] at magnet coil	15 15 lbf·in
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  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  25 kA	,,	2x (18 14 AWG)
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  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  25 kA		75 °C
design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  at 240 V  at 480 V  at 65 kA  at 600 V  100kA@600V (Class R or J 40A max)  Thermal magnetic circuit breaker	material of the conductor at magnet coil	CU
main circuit required  design of the short-circuit trip  breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  25 kA	Short-circuit current rating	
breaking capacity maximum short-circuit current (Icu)  • at 240 V  • at 480 V  • at 600 V  24 kA  25 kA		100kA@600V (Class R or J 40A max)
<ul> <li>at 240 V</li> <li>at 480 V</li> <li>at 600 V</li> <li>24 kA</li> <li>65 kA</li> <li>25 kA</li> </ul>	design of the short-circuit trip	Thermal magnetic circuit breaker
<ul> <li>at 480 V</li> <li>at 600 V</li> <li>5 kA</li> <li>25 kA</li> </ul>	breaking capacity maximum short-circuit current (Icu)	
• at 600 V 25 kA	• at 240 V	24 kA
	• at 480 V	65 kA
certificate of suitability NEMA ICS 2; UL 508	• at 600 V	25 kA
	certificate of suitability	NEMA ICS 2; UL 508

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:LCE01C804277A

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

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C804277A

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:LCE01C804277A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C804277A/certificate

last modified: 1/25/2022 🖸