SIEMENS

Data sheet US2:LEBT2B003277B



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 277VAC 60HZ coil, Combination type, 20A circuit breaker, Enclosure NEMA type 12, Dust/drip proof for indoors

product brand name	Class LE
design of the product	Electrically held lighting contactor with circuit breaker
special product feature	Compact design; Finger safe control terminals
General technical data	Compact uses: 1, 1 mgs out Common terminate
weight [lb]	27 lb
Height x Width x Depth [in]	24 × 11 × 8 in
touch protection against electrical shock	NA for enclosed products
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	USA
Contactor	
size of contactor	20 Amp
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
mechanical service life (operating cycles) of the main contacts typical	30000000
contact rating of the main contacts of lighting contactor	
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value 	8A @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 	20A @347V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
 at ballast (3 poles per 3 phases) rated value 	20A @600V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	20A @600V 1p 1ph
 at resistive load (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
 at resistive load (3 poles per 3 phases) rated value 	20A @600V 3p 3ph
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	4
contact rating of auxiliary contacts of contactor according to UL	A600 / Q600
Coil	

control supply voltage • at AC at 60 Hz rated value apparent plok-up power of magnet coil at AC apparent holding 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 design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of onnectable conductor cross-sections for AWG cables for load-side outgoing feeder type of onnectable 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 maximum permissible material 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 maximum permissible material 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 maximum permissible material of the conductor for load-side outgoing feeder To "C so "C 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	type of voltage of the control supply voltage	AC
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degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side temperature of the conductor for supply type of electrical connection for load-side outgoing feeder mounting to rough geder single or multi-stranded temperature of the conductor cross-sections for AWG cables for load-side outgoing feeder material of the conductor for load-side outgoing feeder material	magnet coil	0.85 1.1
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type of the motor protection operational current of motor circuit breaker rated value 20 A Mounting/wiring mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug 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 cross-sections for AWG cables ingle or multi-stranded type of electrical connection for load-side outgoing feeder for load-side outgoing feeder single or multi-stranded temperature of the conductor for supply feeder for load-side outgoing feeder 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 Screw-type terminals To "C C C C C C C C C C C C C C C C C C C	degree of protection NEMA rating of the enclosure	NEMA 12 enclosure
type of the motor protection operational current of motor circuit breaker rated value Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at line-side for AWG cables are conductor for supply maximum permissible temperature of the conductor for supply 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 maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil Circuit breaker with thermal and fixed magnetic trip 20 A Vertical Surface mounting and installation bax lug 1x (14 10 AWG) or 1x (12 10 AWG) AL or CU Screw-type terminals 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG To °C Screw-type terminals Circuit breaker with thermal and fixed magnetic trip	design of the housing	dustproof and drip-proof for indoor use
mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor for supply type of electrical connection for load-side outgoing feeder temperature of the conductor for supply type of electrical connection for load-side outgoing feeder temperature of the conductor for supply type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder 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 20 A Vertical Surface mounting and installation by vertical Surface mounting and installation 1x (14 10 AWG) or 1x (12 10 AWG) AL or CU Screw-type terminals	Circuit Breaker	
mounting position fastening method type of electrical connection for supply voltage line-side Box lug type of connectable conductor cross-sections at line-side for 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 for load-side outgoing feeder type of connectable conductor 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 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 Vertical Surface mounting and installation 1x (14 10 AWG) or 1x (12 10 AWG) 1x (14 10 AWG) or 1x (12 10 AWG) 1x (14 10 AWG) 1x (14 10 AWG) 1x (14 10 AWG) 1x (12 10 AWG) 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG) 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 1x (14 10 AWG)	type of the motor protection	Circuit breaker with thermal and fixed magnetic trip
mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug 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 type of electrical connection for load-side outgoing feeder 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 Vertical Surface mounting and installation 1x (14 10 AWG) or 1x (12 10 AWG) AL or CU Screw-type terminals	operational current of motor circuit breaker rated value	20 A
fastening method type of electrical connection for supply voltage line-side 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 type of electrical connection for load-side outgoing feeder 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 Surface mounting and installation Box lug 1x (14 10 AWG) or 1x (12 10 AWG) To CU Screw-type terminals 2x (20 12 lbf-in 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG To CU Screw-type terminals	Mounting/wiring	
type of electrical connection for supply voltage line-side 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 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 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 Sorew-type terminals 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 75 °C Sorew-type terminals 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG Sorew-type terminals	mounting position	Vertical
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 type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder 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 1x (14 10 AWG) or 1x (12 10 AWG) x (20 10 AWG) x (12 10 AWG) x (20	fastening method	Surface mounting and installation
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 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 Screw-type terminals CU Screw-type terminals	type of electrical connection for supply voltage line-side	Box lug
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 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 AL or CU Screw-type terminals 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG To Screw-type terminals	71	1x (14 10 AWG) or 1x (12 10 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 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 Screw-type terminals 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 75 °C CU Screw-type terminals	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 7 12 lbf-in 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 75 °C CU Screw-type terminals	material of the conductor for supply	AL or 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 2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG 75 °C CU Screw-type terminals	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 Screw-type terminals	tightening torque [lbf·in] for load-side outgoing feeder	7 12 lbf·in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil Screw-type terminals		2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG
type of electrical connection of magnet coil Screw-type terminals		75 °C
	material of the conductor for load-side outgoing feeder	CU
tightening torque [lhf-in] at magnet coil 7 10 lhf-in	type of electrical connection of magnet coil	Screw-type terminals
agricoling to iquo por injust magnet con	tightening torque [lbf·in] at magnet coil	7 10 lbf·in
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded 2x (20 16 AWG), 2x (18 14 AWG)		2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible 75 °C	1	75 °C
material of the conductor at magnet coil CU	material of the conductor at magnet coil	CU
type of electrical connection at contactor for auxiliary contacts Screw-type terminals	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	tightening torque [lbf-in] at contactor for auxiliary contacts	7 12 lbf·in
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded 2x (20 16 AWG), 2x (18 14 AWG)		2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible 75 °C	temperature of the conductor at contactor for auxiliary contacts	75 °C
material of the conductor at contactor for auxiliary contacts CU	<u> </u>	CU
Short-circuit current rating		
design of the short-circuit trip Thermal magnetic circuit breaker		Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	acoign of the orion-circuit trip	, and the second
• at 240 V 5 kA		5 LA
• at 480 V 5 kA	maximum short-circuit current breaking capacity (Icu)	3 KA
• at 600 V 5 kA	maximum short-circuit current breaking capacity (lcu) • at 240 V	
	maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V	5 kA
Further information	maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V	5 kA

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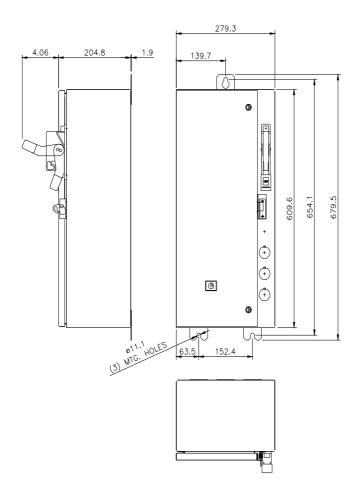
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEBT2B003277B
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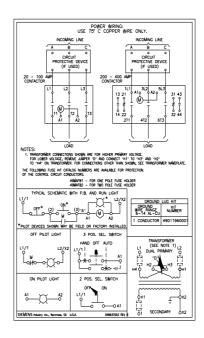
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEBT2B003277B&lang=en

Certificates/approvals

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