SIEMENS

Data sheet US2:LEBV1C003277B



Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 3 N.O. Poles, 277VAC 60HZ coil, Combination type, 30A circuit breaker, Enclosure NEMA type 1, Indoor general purpose use

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		
weight [lb]	26 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	30 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	10000000	
contact rating of the main contacts of lighting contactor		
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value 	16A @120V / 8A @277V 1p 1ph	
at tungsten (1 pole per 1 phase) rated value	30A @277V 1p 1ph	
 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	
• 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	
Auxiliary contact		
number of NC contacts at contactor for auxiliary contacts	1	
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		

hung of voltage of the control graphy voltage	40
type of voltage of the control supply voltage	AC
control supply voltage	077 \
at AC at 60 Hz rated value	277 V
apparent pick-up power of magnet coil at AC	87 VA
apparent holding power of magnet coil at AC	9.4 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 1 enclosure
design of the housing	indoors, usable on a general basis
Circuit Breaker	
type of the motor protection	Circuit breaker with thermal and fixed magnetic trip
operational current of motor circuit breaker rated value	30 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	1x (10 1/0 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or 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 for 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 for 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 for 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 short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	25 kA
• at 480 V	25 kA
• at 600 V	0 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog

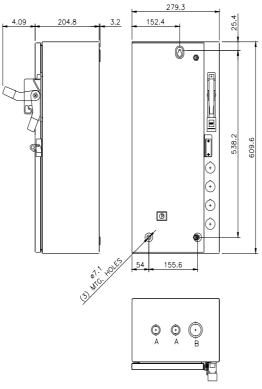
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEBV1C003277B
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:LEBV1C003277B

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:LEBV1C003277B&lang=en

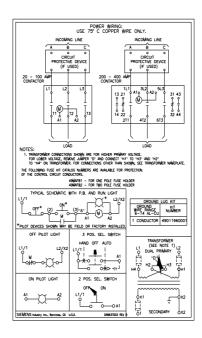
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEBV1C003277B/certificate



CONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
Α	ø12.7 & ø19 CONDUIT
R	025.4 & 031.8 CONDUIT



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