SIEMENS

Data sheet

US2:LEBT4B003120B



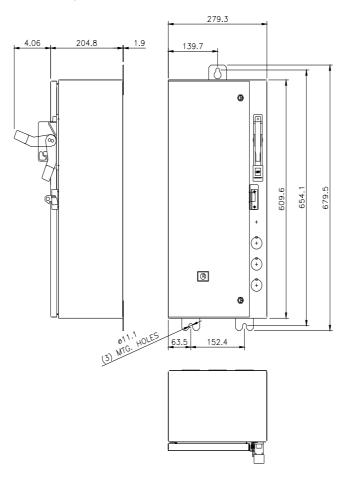
Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 110VAC 50HZ/120VAC 60HZ coil, Combination type, 20A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

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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]	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 (switching cycles) of the main contacts typical	3000000
contact rating of the main contacts of lighting contactor	
 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		
type of voltage of the control supply voltage	AC	
control supply voltage		
at AC at 50 Hz rated value	110 V	
• at AC at 60 Hz rated value	120 V	
apparent pick-up power of magnet coil at AC	31.7 VA	
apparent holding power of magnet coil at AC	4.8 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 4x 304 stainless steel enclosure	
design of the housing	dustproof, waterproof & resistant to corrosion	
Circuit Breaker		
type of the motor protection	Circuit breaker with thermal and fixed magnetic trip	
operational current of motor circuit breaker rated value	20 A	
Mounting/wiring	2077	
	Vertical	
mounting position	Vertical	
fastening methodtype of electrical connection for supply voltage line-side	Surface mounting and installation	
type of connectable conductor cross-sections at line-side	Box lug 1x (14 10 AWG) or 1x (12 10 AWG)	
at AWG cables single or multi-stranded		
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	7 12 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	2x (20 16 AWG), 2x (18 14 AWG), 2x 12 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 short-circuit trip	Thermal magnetic circuit breaker	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	5 kA 5 kA	
• at 480 V		
at 600 V	5 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:LEBT4B003120B		
Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/US/en/ps/US2:LEBT	4B003120B	
Image database (product images, 2D dimension drawing http://www.automation.siemens.com/bilddb/cax_de.aspx?mlf	s, 3D models, device circuit diagrams, EPLAN macros,) b=US2:LEBT4B003120B⟨=en	

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:LEBT4B003120B/certificate



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