SIEMENS

Data sheet US2:LEFB4B003240B



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 220VAC 50HZ/240VAC 60HZ coil, Combination type, 30A/600V fusible disconnect, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

product brand name	Class LE
design of the product	Electrically held lighting contactor with fusible disconnect switch
special product feature	Compact design; Finger safe control terminals
General technical data	
weight [lb]	39 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	

ype of voltage of the control supply voltage • at AC at 50 Hz rated value 220 V • at AC at 50 Hz rated value apparent bick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent power holding power apparent power holding power holding power holding power holding power holding power p		
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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 for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508		2x (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG
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tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the fuse link for short-circuit protection of the main circuit required certificate of suitability 7 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 2x (20 16 AWG), 2x (18 14 AWG) 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in 2x (20 16 AWG), 2x (18 14 AWG) 10 lbf-in	material of the conductor for load-side outgoing feeder	CU
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection at contactor for auxiliary contacts tightening torque [libf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508	type of electrical connection of magnet coil	Screw-type terminals
temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508	tightening torque [lbf·in] at magnet coil	7 10 lbf·in
material of the conductor at magnet coil type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508		2x (20 16 AWG), 2x (18 14 AWG)
type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508		75 °C
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type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508	type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508	tightening torque [lbf-in] at contactor for auxiliary contacts	7 12 lbf·in
maximum permissible 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 certificate of suitability NEMA ICS 2; UL 508		2x (20 16 AWG), 2x (18 14 AWG)
Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required certificate of suitability NEMA ICS 2; UL 508		75 °C
design of the fuse link for short-circuit protection of the main circuit required certificate of suitability 100kA@600V (Class R or J) NEMA ICS 2; UL 508	material of the conductor at contactor for auxiliary contacts	CU
circuit required certificate of suitability NEMA ICS 2; UL 508	Short-circuit current rating	
•	·	100kA@600V (Class R or J)
Approvals Certificates	certificate of suitability	NEMA ICS 2; UL 508
	Approvals Certificates	



Test Certificates

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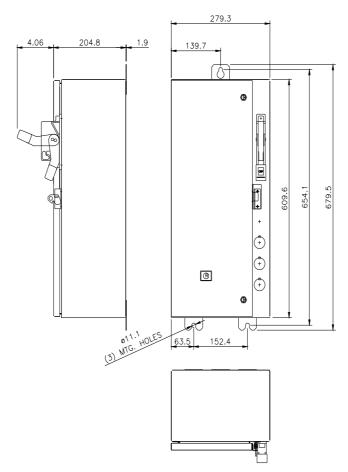
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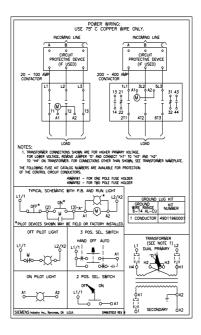
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