SIEMENS

Data sheet US2:LEDB2B003208B



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 198VAC 50HZ/208VAC 60HZ coil, Combination type, 30A/600V non-fuse disconnect, Enclosure NEMA type 12, Dust/drip proof for indoors

product brand name	Class LE
design of the product	Electrically held lighting contactor with non-fusible disconnect switch
special product feature	Compact design; Finger safe control terminals
General technical data	1 37
weight [lb]	38 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	

spee of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil apparent power and apparent power of magnet coil at AC apparent holding power of magnet coil apparent power of power and apparent power apparen		
and AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC above the second power of the second powe	type of voltage of the control supply voltage	AC
apparent pick-up power of magnet coil at AC apparent pick-up power of magnet pick-up pick-up power of pick-up power of power pick-up pick-	control supply voltage	
apparent pick-up power of magnet coil at AC	 at AC at 50 Hz rated value 	198 V
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link non-fusible operating class of the fuse link Pacilosuro degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure Mounting writing mounting position fastening method Surface mounting and installation Supple of electrical connection for supply voltage line-side sightening torque [Dif-in] for supply Sype of connectable conductor or supply Sype of electrical connection for supply waximum permissible temperature of the conductor for supply AL or CU Sype of electrical connection for supply AL or CU Sype of electrical connection for supply AL or CU Sype of electrical connection for load-side outgoing feeder sightening torque [Dif-in] for load-side outgoing feeder sightening torque [Dif-in] for load-side outgoing feeder sightening torque [Dif-in] for load-side outgoing feeder single or multi-stranded temperature of the conductor cross-sections for AWG cables for load-side outgoing feeder sightening torque [Dif-in] for load-side outgoing feeder safetial of the conductor for load-side outgoing feeder safetial of the conductor for load-side outgoing feeder waximum permissible To condectable conductor cross-sections of magnet coil Sype of onectable conductor cross-sections of magnet coil To AWG cables single or multi-stranded semperature of the conductor of ross-sections of magnet coil To AWG cables for auxiliary contacts Sightening torque [Dif-in] at contactor for auxiliary contacts Si	at AC at 60 Hz rated value	208 V
poperating range factor control supply voltage rated value of magnet coll response value of switch disconnector alone for the supply	apparent pick-up power of magnet coil at AC	31.7 VA
magnet col Disconnect Switch response value of switch disconnector gording of tise holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Dust-light, waterlight & weather proof Mounting/wiring mounting position Surface mounting and installation type of electrical connection for supply voltage line-side tightening torque [bit-in] for supply ype of one-table conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible ype of connectable conductor for supply maximum permissible or load-side outgoing feeder ype of one-table conductor for supply maximum permissible ype of one-table conductor for supply maximum permissible ype of connectable conductor for supply maximum permissible for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder ype of one-table conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder ype of one-table conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder ype of one-table conductor or load-side outgoing feeder xi (20 16 AWG), 2x (18 14 AWG), 2x 12 AWG tightening torque [libr-in] at magnet coil ype of electrical connection of magnet coil tightening torque [libr-in] at magnet coil ype of electrical connection at contactor for auxiliary contacts ype of electrical connection at contactor for auxiliary contacts ype of electrical connection at contactor for auxiliary contacts tightening torque [libr-in] at contactor for auxiliary contacts ype of electrical connection at contactor for auxiliary contacts ype of electrical connection at contactor for auxiliary contacts ype of electrical connection at contactor for auxiliary contacts ype of electrical connection at	apparent holding power of magnet coil at AC	4.8 VA
response value of switch disconnector design of fuse holder operating class of the fuse link non-fusible non-fusib		0.85 1.1
design of fuse holder operating class of the fuse link non-fusible Pacidosure	Disconnect Switch	
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desgree of protection NEMA rating of the enclosure design of the housing Dust-tight, watertight & weather proof Mounting/Wiring mounting position A Vertical Surface mounting and installation type of electrical connection for supply voltage line-side Box lug lightening torque [Ibf-In] for supply A Sox 35 Ibf-In Vype 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 maximum permissible A Lor CU Type of electrical connection for load-side outgoing feeder strand-side outgoing feeder single or multi-stranded A Lor CU Type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder maximum permissible To connectable conductor of load-side outgoing feeder maximum permissible The conductor for load-side outgoing feeder maximum permissible Type of connectable conductor of load-side outgoing feeder maximum permissible Type of connectable conductor of load-side outgoing feeder Type of electrical connection of magnet coil Type of connectable conductor of load-side outgoing feeder Screw-type terminals Type of connectable conductor of load-side outgoing feeder Type of electrical connection of magnet coil Type of connectable conductor of load-side outgoing feeder AWG cables single or multi-stranded Type of connectable conductor at magnet coil Type of electrical connection at contactor for auxiliary contacts Screw-type terminals Type of connectable conductor at magnet coil Type of connectable conductor at contactor for auxiliary contacts Screw-type terminals Type of connectable conductor at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts Type of conne	operating class of the fuse link	non-fusible
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type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible attended to the conductor for supply and the conductor for load-side outgoing feeder supply and the conductor cross-sections for AWG cables for load-side outgoing feeder and the conductor cross-sections of and the conductor for load-side outgoing feeder supply and the conductor for load-side outgoing feeder supply and the conductor for load-side outgoing feeder and the conductor and the conductor and magnet coil and the conductor and the conductor for anything the conductor for anything the form and the conductor for anything contacts and the conductor for anything contacts and the conductor and contactor for anything	tightening torque [lbf-in] for supply	35 35 lbf·in
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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 type of connectable conductor cross-sections of magnet coil femperature of the conductor at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil type of connectable 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 contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of electrical connection at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts ingle or multi-stranded 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 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	material of the conductor for supply	AL or CU
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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 contactor for auxiliary contacts type of electrical connection at contactor for auxiliary contacts type of connectable conductor ross-sections at contactor for AWG cables for auxiliary contacts of the conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts in 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 conductor at contactor for auxiliary contacts cut 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 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 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 material of the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts material 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 material of the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts cut the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts cut the conductor at contactor for auxiliary contacts material 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
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	material of the conductor at magnet coil	CU
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

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

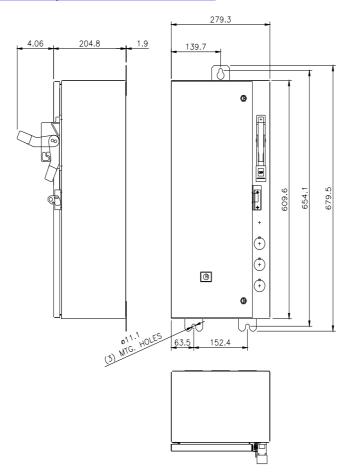
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https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEDB2B003208B

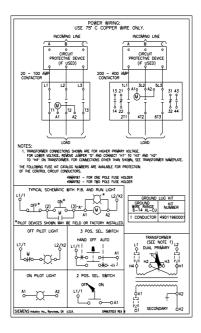
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