Data sheet US2:LEBZ2E003208B

Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 208VAC 50/60HZ coil, Combination type, 100A circuit breaker, Enclosure NEMA type 12, Dust/drip proof for indoors



Figure similar

General technical data	
Weight [lb]	29 lb
Height x Width x Depth [in]	24 × 11 × 8 in
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
Ambient temperature [°F] during operation	32 104 °F
Ambient temperature during storage	-55 +80 °C
Ambient temperature during operation	0 40 °C
Country of origin	USA

Contactor	
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
	4000000
Mechanical service life (switching cycles) of the main contacts typical	1000000

Contact rating of the main contacts of lighting contactor	
• at tungsten (1 pole per 1 phase) rated value	100A @277V 1p 1ph
• at tungsten (2 poles per 1 phase) rated value	100A @480V 2p 1ph
• at tungsten (3 poles per 3 phases) rated value	100A @480V 3p 3ph
• at ballast (1 pole per 1 phase) rated value	100A @600V 1p 1ph
• at ballast (2 poles per 1 phase) rated value	100A @600V 2p 1ph
• at ballast (3 poles per 3 phases) rated value	100A @600V 3p 3ph
at resistive load (1 pole per 1 phase) rated value	100A @600V 1p 1ph
 at resistive load (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
 at resistive load (3 poles per 3 phases) rated value 	100A @600V 3p 3ph
Auviliany contact	
Auxiliary contact Number of NC contacts at contactor for auxiliary	0
contacts	
Number of NO contacts at contactor for auxiliary	0
contacts	
Number of total auxiliary contacts maximum	8
Contact rating of auxiliary contacts of contactor	NA
according to UL	
Coil	
Coil Type of voltage of the control supply voltage	AC
	AC
Type of voltage of the control supply voltage	AC 0 0 V
Type of voltage of the control supply voltage Control supply voltage	
Type of voltage of the control supply voltage Control supply voltage at DC rated value	0 0 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC	0 0 V 208 208 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 at AC	0 0 V 208 208 V 208 208 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC	0 0 V 208 208 V 208 208 V 300 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 at AC Operating range factor control supply voltage rated	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 at AC Operating range factor control supply voltage rated value of magnet coil	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 at AC Operating range factor control supply voltage rated value of magnet coil Enclosure	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 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	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A 0.85 1.1
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Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 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 Motor Circuit Protector (magnetic trip only) Operating current of motor circuit breaker rated value Mounting/wiring	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A 0.85 1.1 NEMA 12 enclosure Dust tight and drip proof for indoors
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 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 Motor Circuit Protector (magnetic trip only) Operating current of motor circuit breaker rated value Mounting/wiring Mounting position	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A 0.85 1.1 NEMA 12 enclosure Dust tight and drip proof for indoors 100 A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 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 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 Motor Circuit Protector (magnetic trip only) Operating current of motor circuit breaker rated value Mounting/wiring	0 0 V 208 208 V 208 208 V 300 V·A 21 V·A 0.85 1.1 NEMA 12 enclosure Dust tight and drip proof for indoors
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Type of connectable conductor cross-sections at line- side at AWG conductors 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	36 53 lbf·in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	2x (10 1/0 AWG), 1x (10 2/0 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 conductors single or multi-stranded	2x (18 14 AWG)
Temperature of the conductor at magnet coil maximum permissible	75 °C
Material of the conductor at magnet coil	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	18 kA	

Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

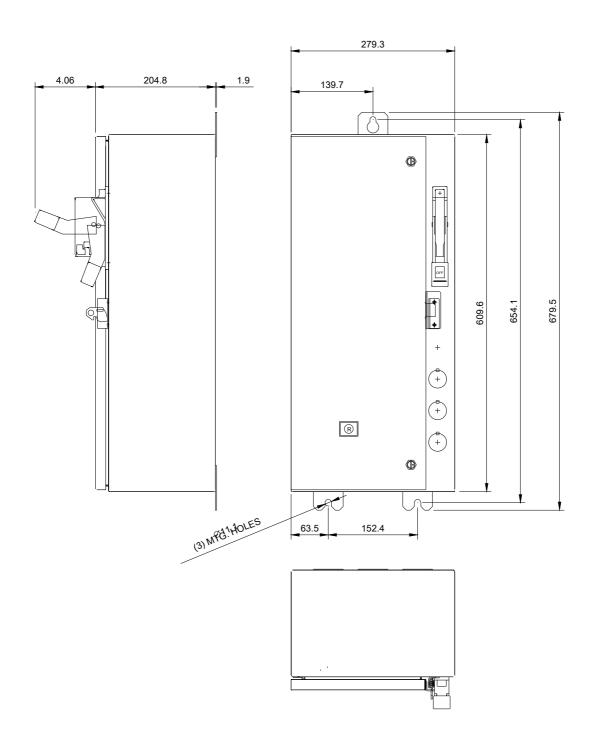
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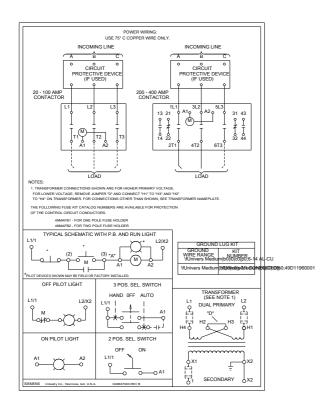
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LEBZ2E003208B&lang=en

Certificates/approvals

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