SIEMENS

Data sheet US2:LEBZ2E003120B

Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 110VAC 50HZ/120VAC 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
Mechanical service life (switching cycles) of the main contacts typical	10000000

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

Auxiliary contact	
Number of NC contacts at contactor for auxiliary contacts	0
Number of NO contacts at contactor for auxiliary contacts	0
Number of total auxiliary contacts maximum	8
Contact rating of auxiliary contacts of contactor according to UL	NA

Coil	
Type of voltage of the control supply voltage	AC
Control supply voltage	
• at DC rated value	0 ... 0 V
• at AC at 60 Hz rated value	120 ... 120 V
• at AC at 50 Hz rated value	110 ... 110 V
Apparent pick-up power of magnet coil at AC	300 V·A
Apparent holding power of magnet coil at AC	21 V·A
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 12 enclosure
Design of the housing	Dust tight and drip proof for indoors

Motor Circuit Protector (magnetic trip only)	
Operating current of motor circuit breaker rated value	100 A

Mounting/wiring	
Mounting position	Vertical
(mounting type)	Surface mounting and installation
Type of electrical connection for supply voltage line-side	Box lug

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

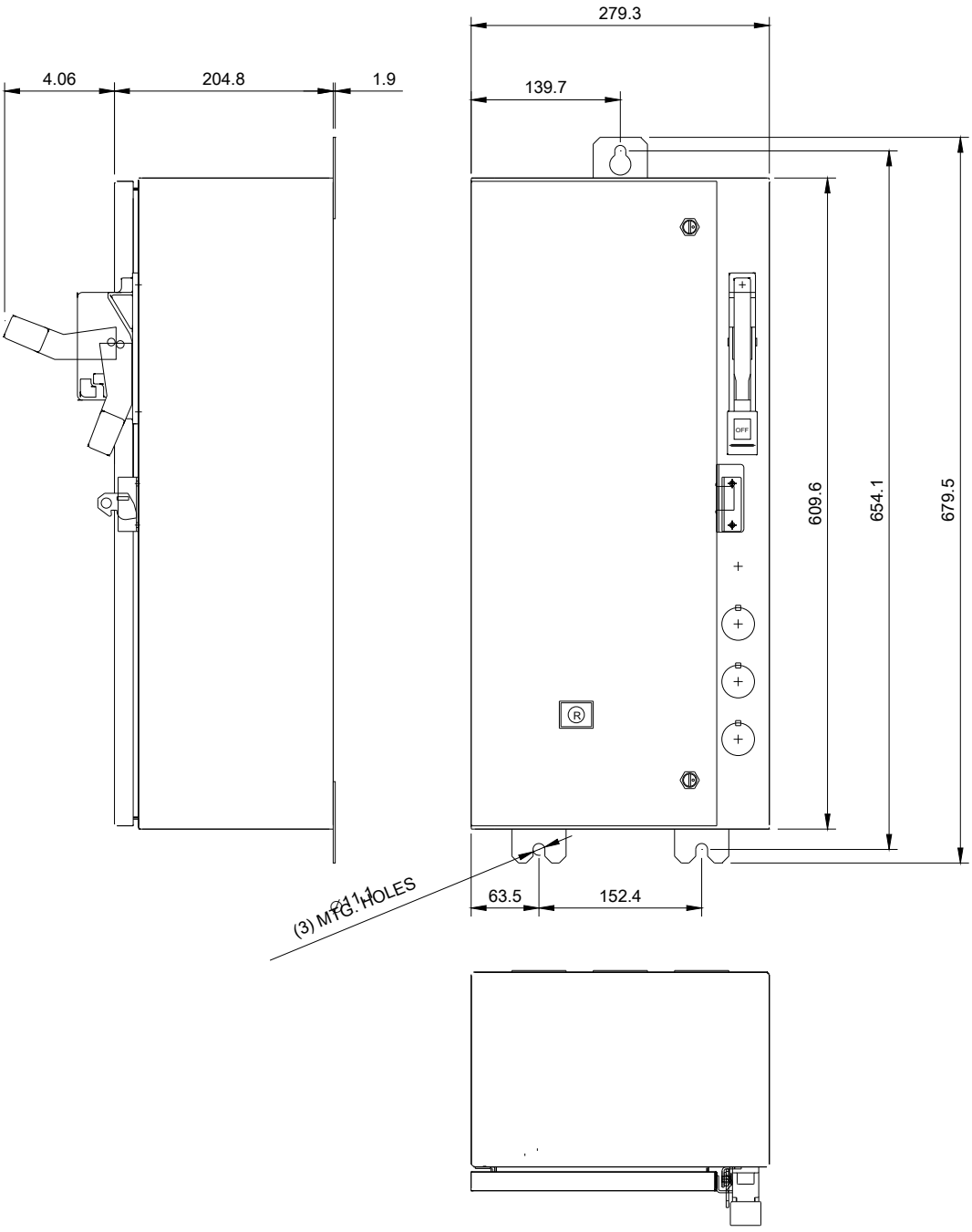
Industrial Controls - Product Overview (Catalogs, Brochures,…)
www.usa.siemens.com/iccatalog

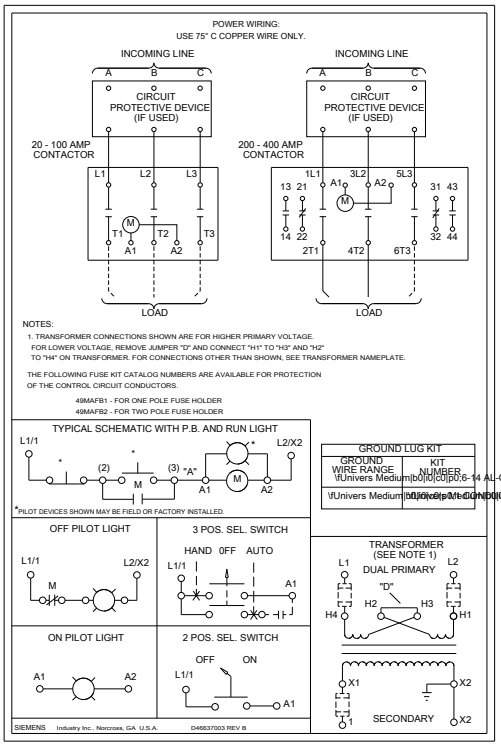
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEBZ2E003120B

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:LEBZ2E003120B

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:LEBZ2E003120B&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:LEBZ2E003120B/certificate





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