Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 277VAC 60HZ coil, Combination type, 100A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive



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	1000000
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 at ballast (2 poles per 1 phase) rated value	100A @600V 2p 1ph
,	100A @600V 3p 3ph
at ballast (3 poles per 3 phases) rated value	100A @600V 1p 1ph
 at resistive load (1 pole per 1 phase) rated value 	100A @600V IP IPII
 at resistive load (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
• at resistive load (3 poles per 3 phases) rated	100A @600V 3p 3ph
value	
Auvillant contact	
Auxiliary contact Number of NC contacts at contactor for auxiliary	0
contacts	O .
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	
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 	277 277 V
● at AC at 50 Hz rated value	0 0 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 4X 304 stainless steel enclosure
Design of the housing	Dust-tight, watertight & corrosion resistant
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)

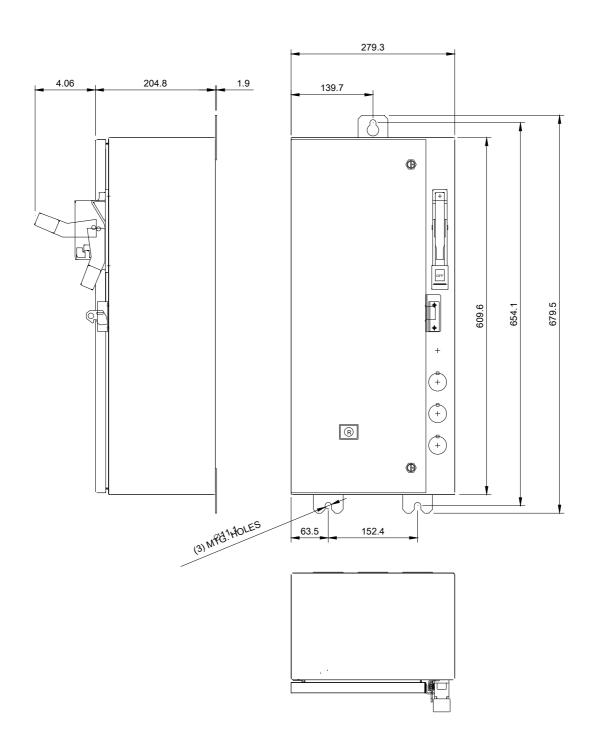
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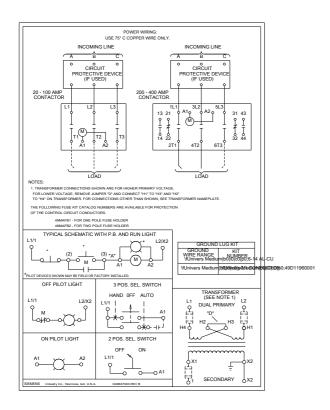
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LEBZ4E003277B

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:LEBZ4E003277B&lang=en

Certificates/approvals

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