SIEMENS

Data sheet US2:LEN01F003120A



Electrically held lighting contactor, Contactor amp rating 200A, 0 N.C. / 3 N.O. Poles, 110VAC 50HZ/120VAC 60HZ coil, Non-combination type, (no disconnect device), Enclosure NEMA type 1, Indoor general purpose use

product brand name design of the product special product feature Compact design; Finger safe control terminals General technical data weight [Ib] 35 lb Height x Width x Depth [in] 25 x 18 x 13 in 100-th protection against electrical shock Installation altitude [If] at height above sea level maximum ambient temperature ["F] during storage 40 during storage 40 during storage 40 during operation 32 104 "F size of contactor violation of NC contacts for main contacts 10 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts ypical at tungsten (1 poles per 1 phase) rated value 4 at tungsten (1 poles per 1 phase) rated value 4 at ballast (1 poles per 1 phase) rated value 4 at tallast (1 poles per 1 phase) rated value 4 at resistive load (1 poles per 1 phase) rated value 4 at resistive load (2 poles per 1 phase) rated value 5 at resistive load (2 poles per 1 phase) rated value 4 at resistive load (2 poles per 1 phase) rated value 5 at resistive load (2 poles per 1 phase) rated value 6 at resistive load (2 poles per 1 phase) rated value 7 at resistive load (2 poles per 1 phase) rated value 7 at resistive load (2 poles per 1 phase) rated value 8 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 1 phase) rated value 9 at resistive load (2 poles per 3 phases) rated value 9 at resistive load (2 poles per 3 phases) rated value 9 at resistive load (3 poles per 3 phases) rated value 9	product brand name	Class I E
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meximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 pole per 1 phase) rated value • at resistive load (5 poles per 1 phase) rated value • at resistive load (6 poles per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (9 poles per 1 phase) rated value • at resistive load (9 poles per 1 phase) rated value • at resistive load (9 poles per 1 phase) rated value • at resistive load (9	number of NC contacts for main contacts	0
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at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 200A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 200A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at tungsten (3 poles per 3 phases) rated value	200A @480V 3p 3ph
at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 200A @600V 2p 1ph 200A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at ballast (1 pole per 1 phase) rated value	200A @347V 1p 1ph
 at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 200A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 200A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage 	• at ballast (2 poles per 1 phase) rated value	200A @600V 2p 1ph
at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 200A @600V 2p 1ph 200A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at ballast (3 poles per 3 phases) rated value	200A @600V 3p 3ph
◆ at resistive load (3 poles per 3 phases) rated value Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at resistive load (1 pole per 1 phase) rated value	200A @600V 1p 1ph
Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at resistive load (2 poles per 1 phase) rated value	200A @600V 2p 1ph
Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	• at resistive load (3 poles per 3 phases) rated value	200A @600V 3p 3ph
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	Auxiliary contact	
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage AC/DC	number of NC contacts at contactor for auxiliary contacts	2
number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage AC/DC		2
contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil type of voltage of the control supply voltage AC/DC	<u> </u>	4
Coil type of voltage of the control supply voltage AC/DC		A300 / Q300
type of voltage of the control supply voltage AC/DC		
71 0 117 0	type of voltage of the control supply voltage	AC/DC
	control supply voltage	

at DC rated value	110 127 V
 at AC at 50 Hz rated value 	110 127 V
 at AC at 60 Hz rated value 	110 127 V
apparent pick-up power of magnet coil at AC	300 VA
apparent holding power of magnet coil at AC	5.8 VA
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 1 enclosure
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	90 110 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (6 3/0 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf-in] for load-side outgoing feeder	90 110 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (6 3/0 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 for AWG cables 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 fuse link for short-circuit protection of the main circuit required	none
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (lcu)	
• at 240 V	100 kA
• at 480 V	100 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	

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

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEN01F003120A

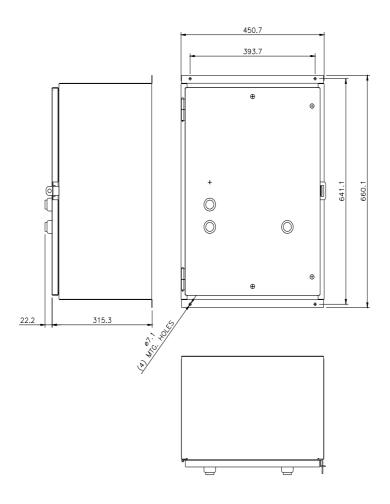
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

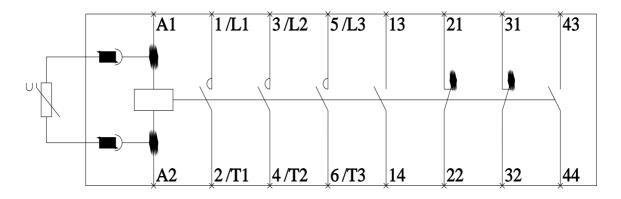
https://support.industry.siemens.com/cs/US/en/ps/US2:LEN01F003120A

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:LEN01F003120A&lang=en

Certificates/approvals

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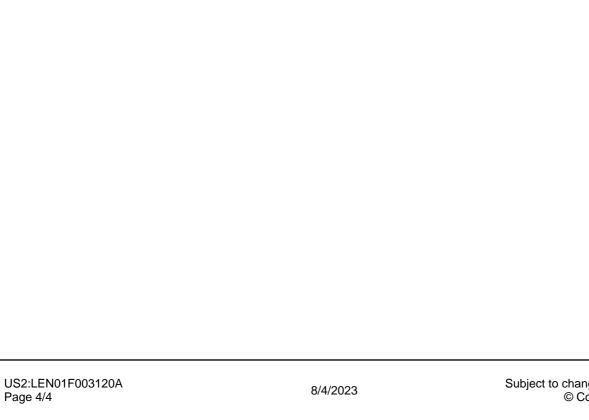




LEN00F G & H Wiring Diagram

D38309006

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