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 Class LE design of the product Electrically held lighting contactor special product feature Compact design; Finger safe control terminals central technical data		
special product feature Compact design; Finger safe control terminals Contract technical data	product brand name	Class LE
General technical data weight [b] 35 ib Height X Widh x Deph [in] 25 x 18 x 13 in touch protection against electrical shock NA for enclosed products installation altitude [i] at height above sea level maximum 6600 ft ambient temperature [F] -67 +176 "F • during storage -67 +176 "F • during storage -65 +60 "C • during storage -55 +60 "C contact stor main co	design of the product	Electrically held lighting contactor
weight [b] 35 lb Height X Widh x Depth [in] 25 × 18 × 13 in touch protection against electrical shock NA for enclosed products installation altitude [It] at height above sea level maximum 6600 ft ambient temperature [F] -67 4176 "F • during storage -67 4176 "F • during storage -55 +80 "C • during operation 0 40 "C country of origin USA Contactor 200 Amp size of contactor for main contacts 0 operating voltage for main contacts 0 operating voltage for main contacts 0 operating voltage for main contacts 10000000 vityrical 2000 Amp contact reling of the main contacts 0 operating voltage for main current circuit at AC at 60 Hz 600 V maximum medical service life (operating cycles) of the main contacts tyrical 10000000 vityrical 200A @277V 1p 1ph • at tungsten (1 pole per 1 phase) rated value 200A @2600V 2p 1ph • at tungsten (2 poles per 3 phases) rated value 200A @600V 2p 1ph • at abalist (3 poles per 3 phases) rated value 200A @600V 2p 1ph • at abalist (2 poles per 1 phase) rated value 200A @600V 2p 1ph • at resistive l	special product feature	Compact design; Finger safe control terminals
Height X Widh X Depth [in] 25 × 18 × 13 in touch protection against electrical shock NA for enclosed products installation altitude [tt] at height above sea level maximum 6560 ft ambient temperature ['F] -67, +176 *F • during operation 32 104 *F ambient temperature -67, +176 *F • during operation 32 104 *F ambient temperature -67, +176 *F • during operation 0 +40 °C • outring of origin USA Contactor 200 Amp number of NC contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 10000000 typical contacts of lighting contactor • at tungsten (2 poles per 1 phase) rated value 200A @480V 2p tph • at tungsten (2 poles per 1 phase) rated value 200A @480V 2p tph • at tungsten (2 poles per 3 phases) rated value 200A @600V 3p 3ph • at tesistive load (1 pole per 1 phase) rated value 200A @600V 3p 3ph • at resistive load (2 poles per 3 phases) rated value 200A @600V 3p 3ph • at resistive load (2 poles per 3 phases) rated value 200A @600V 3p 3ph • at resistive load (2 poles per 3 phases) rated value 200A	General technical data	
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• at ballast (2 poles per 1 phase) rated value200A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value200A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value200A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive contacts at contactor for auxiliary contacts2• number of NC contacts at contactor for auxiliary contacts2• number of total auxiliary contacts maximum4• contact rating of auxiliary contacts of contactor according to ULA300 / Q300• Coil•• type of voltage of the control supply voltageAC/DC	 at tungsten (3 poles per 3 phases) rated value 	200A @480V 3p 3ph
• at ballast (3 poles per 3 phases) rated value200A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value200A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value200A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value200A @600V 3p 3phAuxiliary contact200A @600V 3p 3phnumber of NC contacts at contactor for auxiliary contacts2number of NO contacts at contactor for auxiliary contacts2number of total auxiliary contacts maximum4contact rating of auxiliary contacts of contactor according to ULA300 / Q300CoilImage of the control supply voltagetype of voltage of the control supply voltageAC/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 (2 poles per 1 phase) 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 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 4 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 (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 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 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil	 at ballast (3 poles per 3 phases) rated value 	200A @600V 3p 3ph
• 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 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil	 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 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil AC/DC	 at resistive load (2 poles per 1 phase) rated value 	200A @600V 2p 1ph
number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 4 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 2 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil	Auxiliary contact	
number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil	number of NC contacts at contactor for auxiliary contacts	2
contact rating of auxiliary contacts of contactor according to UL A300 / Q300 Coil	number of NO contacts at contactor for auxiliary contacts	2
Coil type of voltage of the control supply voltage AC/DC	number of total auxiliary contacts maximum	4
type of voltage of the control supply voltage AC/DC	contact rating of auxiliary contacts of contactor according to UL	A300 / Q300
	Coil	
control supply voltage	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 (Icu)	
• 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,. www.usa.siemens.com/iccatalog)

www.usa.siemens.com/iccatalog

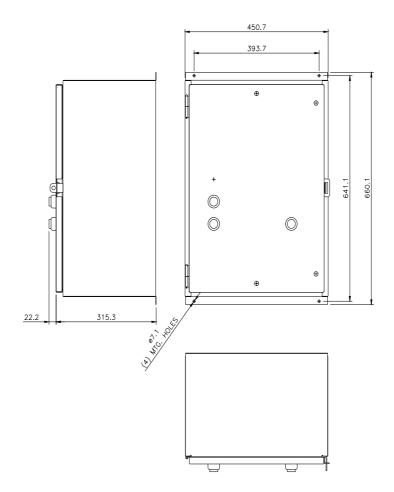
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEN01F003120A

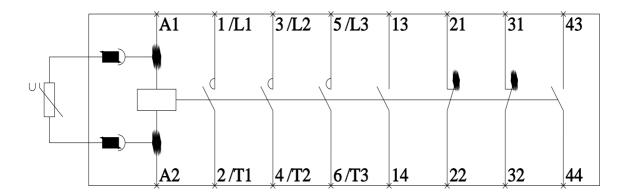
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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





LEN00F G & H Wiring Diagram

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