SIEMENS

Data sheet US2:LEN04B003480B



Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 480VAC 60HZ coil, Non-combination type, (no disconnect device), Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

Figure similar

design of the product special product feature Compact design; Finger safe control terminals General technical data weight [ib] Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] during storage during operation ambient temperature during operation ambient temperature during operation ambient temperature during operation ambient temperature oduring operation ambient temperature of NC contacts for main contacts number of NC contacts for main contacts number of NC contacts for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts 30000000	special product feature pereral technical data veight [lb] Height x Width x Depth [in] ouch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during storage • during storage • during operation	Compact design; Finger safe control terminals 18 lb 16 × 13 × 6 in NA for enclosed products 6560 ft -67 +176 °F 32 104 °F -55 +80 °C
Weight [lb] Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during storage • during storage • during operation ambient temperature • during operation ambient temperature • during operation USA Contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum	veight [lb] Height x Width x Depth [in] ouch protection against electrical shock Installation altitude [ft] at height above sea level maximum Imbient temperature [°F] • during storage • during operation Imbient temperature • during storage • during storage • during operation Imbient temperature • during operation	18 lb 16 × 13 × 6 in NA for enclosed products 6560 ft -67 +176 °F 32 104 °F -55 +80 °C
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Size of contactor Size of contactor 20 Amp number of NO contacts for main contacts number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum 20 Amp 600 V	country of origin	0 40 °C
size of contactor number of NO contacts for main contacts number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum 20 Amp 0 600 V		USA
number of NO contacts for main contacts number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum 3 600 V	Contactor	
number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum 0 600 V	size of contactor	20 Amp
operating voltage for main current circuit at AC at 60 Hz maximum 600 V	number of NO contacts for main contacts	3
maximum	number of NC contacts for main contacts	0
mechanical service life (operating cycles) of the main contacts 30000000		600 V
typical		30000000
contact rating of the main contacts of lighting contactor	ontact rating of the main contacts of lighting contactor	
with electronic ballast [LED driver] (1 pole per 1 phase) 8A @120V / 3A @277V 1p 1ph rated value		8A @120V / 3A @277V 1p 1ph
• at tungsten (1 pole per 1 phase) rated value 20A @277V 1p 1ph	• at tungsten (1 pole per 1 phase) rated value	20A @277V 1p 1ph
• at tungsten (2 poles per 1 phase) rated value 20A @480V 2p 1ph	• at tungsten (2 poles per 1 phase) rated value	20A @480V 2p 1ph
• at tungsten (3 poles per 3 phases) rated value 20A @480V 3p 3ph	• at tungsten (3 poles per 3 phases) rated value	20A @480V 3p 3ph
• at ballast (1 pole per 1 phase) rated value 20A @347V 1p 1ph	 at ballast (1 pole per 1 phase) rated value 	20A @347V 1p 1ph
• at ballast (2 poles per 1 phase) rated value 20A @600V 2p 1ph	 at ballast (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
• at ballast (3 poles per 3 phases) rated value 20A @600V 3p 3ph	 at ballast (3 poles per 3 phases) rated value 	20A @600V 3p 3ph
• at resistive load (1 pole per 1 phase) rated value 20A @600V 1p 1ph	 at resistive load (1 pole per 1 phase) rated value 	20A @600V 1p 1ph
• at resistive load (2 poles per 1 phase) rated value 20A @600V 2p 1ph	 at resistive load (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
• at resistive load (3 poles per 3 phases) rated value 20A @600V 3p 3ph	• at resistive load (3 poles per 3 phases) rated value	20A @600V 3p 3ph
Auxiliary contact	xiliary contact	
number of NC contacts at contactor for auxiliary contacts 0	number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts 1	number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum 4	number of total auxiliary contacts maximum	4
contact rating of auxiliary contacts of contactor according to UL A600 / Q600		A600 / Q600

Coil		
type of voltage of the control supply voltage	AC	
control supply voltage		
at AC at 60 Hz rated value	480 V	
apparent pick-up power of magnet coil at AC	31.7 VA	
apparent holding power of magnet coil at AC	4.8 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 4x 304 stainless steel enclosure	
design of the housing	dustproof, waterproof & resistant to corrosion	
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	7 12 lbf·in	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG), 2x 12 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	7 12 lbf in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG), 2x 12 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 (20 16 AWG), 2x (18 14 AWG)	
temperature of the conductor at magnet coil maximum permissible	75 °C	
material of the conductor at magnet coil	CU	
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals	
tightening torque [lbf·in] at contactor for auxiliary contacts	7 12 lbf·in	
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG)	
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C	
material of the conductor at contactor for auxiliary contacts	CU	
Short-circuit current rating		
design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class RK5 30A max)	
design of the short-circuit trip	Thermal magnetic circuit breaker	
maximum short-circuit current breaking capacity (Icu)		
● at 240 V	24 kA	
• at 480 V	5 kA	
• at 600 V	5 kA	
certificate of suitability	NEMA ICS 2; UL 508	
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:LEN04B003480B

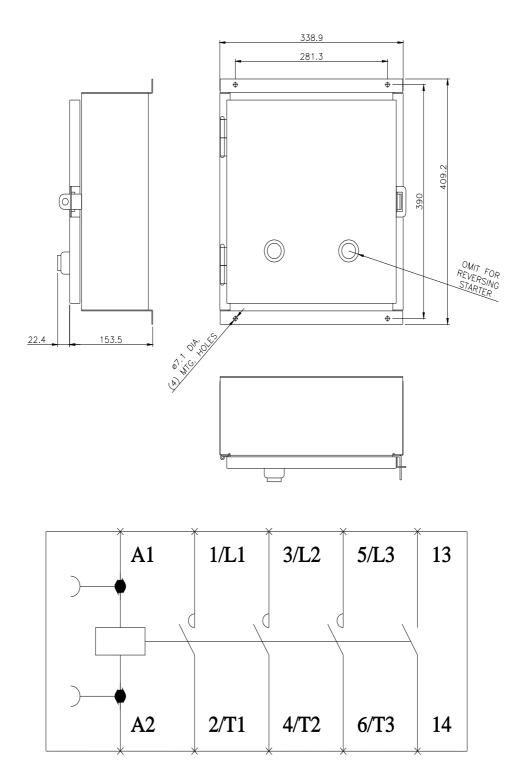
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

t.industry.siemens.com/cs/US/en/ps/US2:LEN04B003480B

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:LEN04B003480B&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEN04B003480B/certificate



LEN00B003 Wiring Diagram

D38309001

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