SIEMENS

Data sheet US2:LEDB4C003024B



Electrically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 3 N.O. Poles, 24VAC 50/60HZ coil, Combination type, 30A/600V non-fuse disconnect, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

design of the product special product feature Compact design; Finger safe control terminals General technical data weight [tb] 38 ib Height x Width x Depth [in] 24 x 11 x 8 in touch protection against electrical shock installation attitude [ft] at height above sea level maximum ambient temperature [Ff] 4 during storage 5 curing operation 32 104 "F ambient temperature 4 during operation 32 104 "F ambient temperature 5 curing operation 32 104 "C country of origin Contactor size of contactor rumber of NC contacts for main contacts upon an incurrent circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts yipical contact rating of the main contacts of lighting contactor * with electronic ballast [LED driver] (1 pole per 1 phase) rated value at tungsten (2 poles per 3 phases) rated value at tungsten (3 poles per 3 phases) rated value at the ballast (2 poles per 1 phase) rated value at the saliast (3 poles per 3 phases) rated value at tresistive load (1 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 (2 poles per 1 phase) rated value at resistive load (2 poles per 3 phases) 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 (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 5 phase) rated value at resistive load (2 poles per 6 phase) rated value at resistive load (2 poles per 6 phase) rated value at resistive load (2 poles per 6 phase) rated value at resistive load (2 poles per 6 phase) rated value at resistive load (2 poles per 6 phase) rated value at	product brand name	Class LE
weight [b] 38 ib Height x Width x Depth [in] 24 × 11 × 8 in touch 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 • during operation 32 104 °F ambient temperature • during storage -55 +80 °C • during operation 0 40 °C country of origin USA Contactor size of contactor 30 Amp number of NC contacts for main contacts 3 number of NC contacts for main contacts 0 0 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 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 tungsten (3 poles per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at tensistive load (6 pole per 1 phase) rated value • at tensistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (7 poles per 3 phases) rated value • at resistive load (7 poles per 3 phases) rated value • at resistive load (7 poles per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at	design of the product	Electrically held lighting contactor with non-fusible disconnect switch
weight [ib] 38 lb Height x Width x Depth [in] 24 x 11 x 8 in touch protection against electrical shock NA for enclosed products installation altitude [it] at height above sea level maximum 6560 ft ambient temperature [ir] • during storage - 67 +176 "F • during operation 32 104 "F ambient temperature • during storage - 55 +80 "C • during storage - 67 +176 "F • during operation USA Contactor size of contactor 30 Amp number of NC contacts for main contacts 3 3 number of NC contacts for main contacts 0 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (2 poles per 3 phases) rated value • at tensitive load (2 poles 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 (2 poles 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 (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) 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 poles per 4 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 poles per 4 phase	special product feature	Compact design; Finger safe control terminals
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 operation Touring storage • during	General technical data	
touch protection against electrical shock installation altitude (IT) at height above sea level maximum ambient temperature ["F] • during storage • during operation ambient temperature • during operation ambient emperature • during storage • during operation ambient emperature • during storage • during operation 040 "C country of origin USA Contactor size of contactor number of NO contacts for main contacts number of NO 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 typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (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 (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 tallasts (4 pole per 1 phase) rated value • at ballast (5 poles per 1 phase) rated value • at ballast (6 poles per 1 phase) rated value • at tallasts (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 poles per 1 phase) rated value • at ballast (7 poles per 1 phase) rated value • at ballast (7 poles per 1 phase) rated value • at ballast (7 poles per 1 phase) rated value • at resistive load (8 poles per 3 phases) 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 (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 • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive	weight [lb]	38 lb
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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 mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • 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 (3 poles per 3 phases) rated value • at ballast (3 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at cesistive 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 mumber of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	Contactor	
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operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • 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 (2 poles 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 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 1 phase) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 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 (4 poles per 1 phase) rated value • at resistive load (5 poles per 1 phase) rated value • at resistive load (600 V 2p 1ph • at resistive load (7 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (8 poles 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 phas	number of NO contacts for main contacts	3
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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 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at resistive load (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
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 A600 / Q600	 at resistive load (3 poles per 3 phases) rated value 	30A @600V 3p 3ph
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	Auxiliary contact	
number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	number of NC contacts at contactor for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according to UL A600 / Q600	number of NO contacts at contactor for auxiliary contacts	1
	number of total auxiliary contacts maximum	4
Coil	contact rating of auxiliary contacts of contactor according to UL	A600 / Q600
	Coil	

type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 60 Hz rated value	24 V
apparent pick-up power of magnet coil at AC	87 VA
apparent holding power of magnet coil at AC	9.4 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Disconnect Switch	
response value of switch disconnector	30A / 600V
design of fuse holder	non-fusible
operating class of the fuse link	non-fusible
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	Box lug
tightening torque [lbf·in] for supply	35 35 lbf-in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	1x (14 2 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	18 22 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12 AWG), 2x (14 8 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 J)
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:LEDB4C003024B

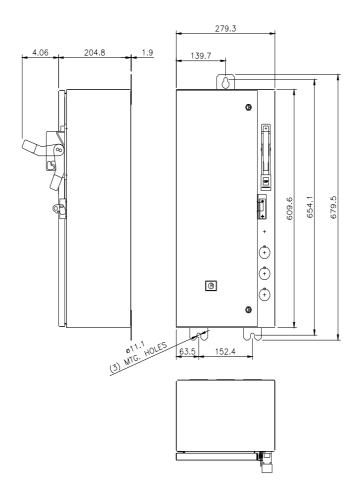
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

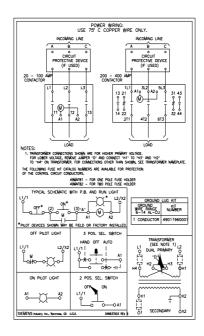
https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB4C003024B

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:LEDB4C003024B&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEDB4C003024B/certificate





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