SIEMENS

Data sheet US2:CLM1C12024



Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 12 N.O. poles, 24VAC 60HZ coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

design of the product space and product feature Energy efficient; Quiet operation General tochnical data weight [ib] 20 ib Height x Width x Depth [in] 16 x 17 x 8 in Nouth protection against electrical shock Not on enclosed products installation altitude [it] at height above sea level maximum 6560 ft country of origin USA Contactor size of contactor 30 Amp number of NO contacts for main contacts 12 number of NO 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 at tungsten (1 pole per 1 phase) rated value 30A @277V 1p 1ph at ballast (1 pole per 1 phase) rated value 30A @3480V 2p 1ph at ballast (1 pole per 1 phase) rated value 30A @3480V 2p 1ph at ballast (1 pole per 1 phase) rated value 30A @3480V 3p 3ph at ballast (1 pole per 1 phase) rated value 30A @3480V 3p 3ph at resistive load (2 poles per 1 phase) rated value 30A @30A 000V 3p 3ph at resistive load (2 poles per 1 phase) rated value 30A @300V 3p 3ph at resistive load (2 poles per 1 phase) rated value 30A @300V 3p 3ph Auxiliary contacts number of NO contacts for auxiliary contacts 0 number of NO contacts f	product brand name	Class CLM
weight [1b] 20 lb Height x Width x Depth [in] 16 x 17 x 8 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6560 ft country of origin USA Contactor Size of contactor 30 Amp number of NC contacts for main contacts 12 number of NC contacts for main contacts 00 operating voltage for main current circuit at AC at 60 Hz maximum 60 Amp 10 Amp	design of the product	Magnetically latched lighting contactor
weight [ib] 20 ib Height x Width x Depth [in] 16 × 17 × 8 in touch protection against electrical shock Installation altitude [it] at height above sea level maximum 6560 it Contactor Size of contactor NA for enclosed products Installation altitude [it] at height above sea level maximum 6560 it USA Contactor Size of contactor Number of NO contacts for main contacts 12 number of NC contacts for main contacts 00 operating voltage for main contacts 11 mechanical service life (operating cycles) of the main contacts 11 entity of the main contacts of lighting contactor at tungsten (1 pole per 1 phase) rated value 30A @480V 2p 1ph 30A @347V 1p 1ph	special product feature	Energy efficient; Quiet operation
Height x Width x Depth [in] 16 × 17 × 8 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6560 ft country of origin USA Contactor size of contactor size of contactor number of NC contacts for main contacts 12 number of NC contacts for main contacts 00 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts ypical 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 ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at tallast (1 pole per 3 phase) rated value • at resistive load (1 pole 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 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 (3 poles per 3 phases) rated value • at resistive load (5 poles per 3 phase) rated value • at resistive load (5 poles per 3 phase) rated value • at resistive load (5 poles per 3 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 3 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 (1 poles per 3 phase) rated value • at resistive load (1 poles per 4 phase) rated value • at resistive load (1 poles per 4 phase) rated value • at resistive load (1 poles per 4 phase) rated value • at resistive load (2 poles per 4 phase) rated value • at resistive load (2 poles per 4 phase) r	General technical data	
touch protection against electrical shock installation altitude [ft] at height above sea level maximum 6560 ft USA Contactor size of contactor 30 Amp number of NC contacts for main contacts 12 number of NC contacts for main contacts 00 operating voltage for main current circuit at AC at 60 Hz maximum 600000000000000000000000000000000000	weight [lb]	20 lb
Installation altitude [ft] at height above sea level maximum Country of origin USA USA USA Size of contactor number of NO contacts for main contacts 12 number of NC contacts for main contacts 12 number of NC contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts ypical contact rating of the main contacts of lighting contactor at tungsten (1 pole per 1 phase) rated value 30A @277V 1p 1ph at tungsten (2 poles per 1 phase) rated value 30A @480V 2p 1ph at tungsten (3 poles per 3 phases) rated value 30A @480V 3p 3ph at ballast (1 pole per 1 phase) rated value 30A @480V 3p 3ph at ballast (2 poles per 1 phase) rated value 30A @600V 3p 3ph at resistive load (7 pole per 1 phase) rated value 30A @347V 1p 1ph at resistive load (7 pole per 1 phase) rated value 30A @30V 3P 1ph at resistive load (7 pole per 1 phase) rated value 30A @30V 3P 3ph at resistive load (2 poles per 3 phases) rated value 30A @600V 3p 3ph at resistive load (2 poles per 3 phases) rated value 30A @600V 3p 3ph Auxiliary contact number of NC contacts for auxiliary contacts 0 NA Original surfacts 0 NA Coll Upper of voltage of the control supply voltage At Cat 60 Hz rate dvalue 24 V apparent pick-up power of magnet coil at AC 120 VA opperant pick-up power of magnet coil at AC 120 VA opperant princh coll Original surfacts or auxiliary contous upply voltage erated value of magnet coil 0 0.85 1.1	Height x Width x Depth [in]	16 × 17 × 8 in
Contactor 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 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 (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 resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole 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 (3 poles per 3 phases) rated value • at resistive load (3 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 (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) 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 (3 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 Ro NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 type of voltage of the control supply voltage • at A C at 60 Hz rated value • at 6 at 60 Hz rated value • at 6 at 60 Hz rated value • at 6 at 60 Hz rated value • at C at 60 Hz	touch protection against electrical shock	NA for enclosed products
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contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil	number of NO contacts for auxiliary contacts	0
type of voltage of the control supply voltage outrol supply voltage at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 0.85 1.1	number of total auxiliary contacts maximum	4
type of voltage of the control supply voltage outrol supply voltage at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 0.85 1.1	contact rating of auxiliary contacts of contactor according to UL	NA
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apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 120 VA 0.85 1.1	at AC at 60 Hz rated value	24 V
operating range factor control supply voltage rated value of magnet coil 0.85 1.1	apparent pick-up power of magnet coil at AC	1230 VA
magnet coil	apparent holding power of magnet coil at AC	120 VA
Enclosure		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	18 20 lbf·in	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (14 8 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	18 20 lbf·in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	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	8 12 lbf·in	
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (16 12 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	5 kA	
• at 480 V	5 kA	
• at 600 V	5 kA	
certificate of suitability	NEMA ICS 2; UL 508A	
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:CLM1C12024

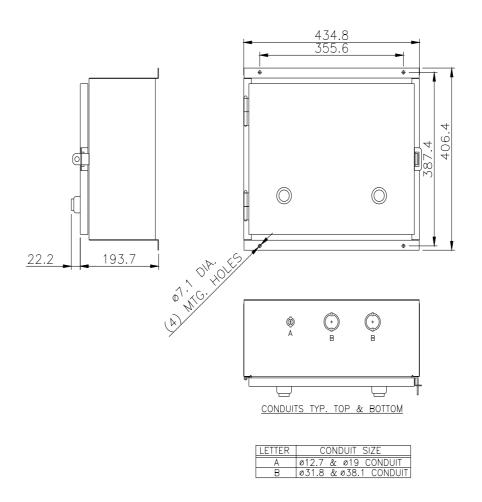
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

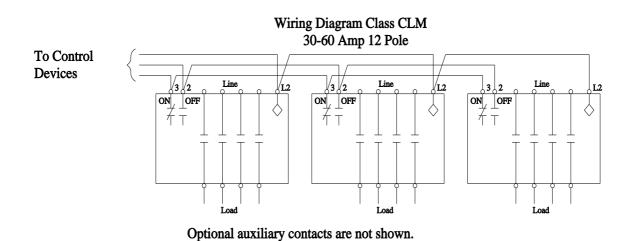
https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1C12024

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:CLM1C12024&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1C12024/certificate





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