SIEMENS

Data sheet

US2:CLM2B04120



Mechanically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 4 N.O. poles, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

product brand name Class CLM design of the product Mechanically held lighting contactor special product feature Energy efficient; Quiet operation General technical data weight [Ib] 8 lb Height X Width x Depth [in] 16 × 13 × 6 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6560 ft contactor 20 Amp number of NC contacts for main contacts 4 number of NC contacts for main contacts 4 operating voltage for main current circuit at AC at 60 Hz 600 V eat tungsten (2 poles per 1 phase) rated value 20A @250V 1p 1ph eat tungsten (2 poles per 1 phase) rated value 20A @250V 2p 1ph eat tungsten (3 poles per 1 phase) rated value 20A @250V 3p 3ph eat ballast (2 poles per 1 phase) rated value 20A @347V 1p 1ph eat ballast (3 poles per 1 phase) rated value 20A @347V 1p 1ph eat ballast (2 poles per 1 phase) rated value 20A @300V 3p 3ph eat resistive load (2 poles per 1 phase) rated value 30A @600V 3p 3ph eat resistive load (2	riguresinna	
special product feature Energy efficient; Quiet operation General technical data ************************************	product brand name	Class CLM
General technical data 8 lb Weight [lb] 8 lb Height x Width x Depth [in] 16 × 13 × 6 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6660 ft contactor 20 Amp size of contacts for main contacts 4 number of NC contacts for main contacts 0 operating voltage for main contacts of lighting contactor 600 V • at tungsten (1 pole per 1 phase) rated value 20A @250V 1p 1ph • at tungsten (3 poles per 1 phase) rated value 20A @250V 3p 3ph • at ballast (1 pole sper 1 phase) rated value 20A @0600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @0600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @0600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @0600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @0600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @0600V 2p 1ph • at resistive load (2 poles per 1 phase) rated value 20A @0600V 3p 3ph • at resistive load (3 poles per 3 phases) rated value 30A @0600V 2p 1ph • at resistive load (3 poles per 3 p	design of the product	Mechanically held lighting contactor
weight [lb] 8 lb Height x Width x Depth [in] 16 × 13 × 6 in touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6660 ft country of origin USA Contactor 20 Amp number of NC contacts for main contacts 4 number of NC contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz 600 V maximum contact rating of the main contacts of lighting contactor 4 et tungsten (1 pole per 1 phase) rated value 20A @250V 1p 1ph et tungsten (2 poles per 1 phase) rated value 20A @250V 2p 1ph et allast (1 pole per 1 phase) rated value 20A @250V 2p 1ph et allast (2 poles per 1 phase) rated value 20A @250V 2p 1ph et allast (2 poles per 1 phase) rated value 20A @2600V 2p 1ph et at setsitive load (1 pole per 1 phase) rated value 20A @600V 2p 1ph et resistive load (2 poles per 3 phases) rated value 30A @600V 3p 3ph et resistive load (2 poles per 3 phases) rated value 30A @600V 3p 3ph et resistive load (2 poles per 3 phases) rated value 30A	special product feature	Energy efficient; Quiet operation
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• 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 (3 poles per 3 phases) rated value 20A @600V 3p 3ph • at resistive load (1 pole per 1 phase) rated value 30A @347V 1p 1ph • at resistive load (2 poles per 1 phase) rated value 30A @600V 2p 1ph • at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph • at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL NA type of voltage of the control supply voltage AC control supply voltage AC	 at tungsten (2 poles per 1 phase) rated value 	20A @250V 2p 1ph
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 at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 30A @600V 2p 1ph 30A @600V 3p 3ph Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL NA Coil AC type of voltage of the control supply voltage AC	 at ballast (3 poles per 3 phases) rated value 	20A @600V 3p 3ph
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to UL Coil type of voltage of the control supply voltage control supply voltage AC	number of total auxiliary contacts maximum	4
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control supply voltage	Coil	
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	control supply voltage	
• at AC at 50 HZ rated value 110 120 V	 at AC at 50 Hz rated value 	110 120 V
• at AC at 60 Hz rated value 110 120 V	• at AC at 60 Hz rated value	110 120 V
apparent pick-up power of magnet coil at AC 600 VA	apparent pick-up power of magnet coil at AC	600 VA
apparent holding power of magnet coil at AC 6 VA	apparent holding power of magnet coil at AC	6 VA
operating range factor control supply voltage rated value 0.85 1.1	operating range factor control supply voltage rated value	0.85 1.1

of magnet coil	
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 12 enclosure
design of the housing	dustproof and drip-proof for indoor use
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 18 lbf in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	2x (18 10 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 18 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	2x (18 10 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	18 18 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (18 10 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
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	5 kA
• at 480 V	5 kA
• at 600 V	5 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No. 14
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:CLM2B04120	

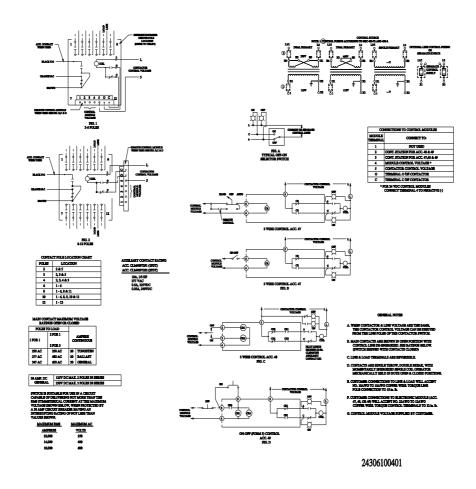
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM2B04120

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:CLM2B04120&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM2B04120/certificate



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