SIEMENS

Data sheet

US2:CLM0G03120



Mechanically held lighting contactor, Contactor amp rating 300A, 0 N.C. / 3 N.O. poles, 110VAC 50HZ/120VAC 60HZ coil, Non-combination type, Enclosure NEMA type (open), No enclosure

product brand name	Class CLM	
design of the product	Mechanically latched lighting contactor	
special product feature	Energy efficient; Quiet operation	
General technical data		
weight [lb]	46 lb	
Height x Width x Depth [in]	18.57 × 10.61 × 9.06 in	
touch protection against electrical shock	Not finger-safe	
installation altitude [ft] at height above sea level maximum	6560 ft	
country of origin	USA	
Contactor		
size of contactor	300 Amp	
number of NO contacts for main contacts	3	
number of NC contacts for main contacts	0	
operating voltage for main current circuit at AC at 60 Hz maximum	600 V	
mechanical service life (operating cycles) of the main contacts typical	1800000	
contact rating of the main contacts of lighting contactor		
 at tungsten (1 pole per 1 phase) rated value 	300A @277V 1p 1ph	
 at tungsten (2 poles per 1 phase) rated value 	300A @480V 2p 1ph	
 at tungsten (3 poles per 3 phases) rated value 	300A @480V 3p 3ph	
 at ballast (1 pole per 1 phase) rated value 	300A @347V 1p 1ph	
 at ballast (2 poles per 1 phase) rated value 	300A @600V 2p 1ph	
 at ballast (3 poles per 3 phases) rated value 	300A @600V 3p 3ph	
 at resistive load (1 pole per 1 phase) rated value 	300A @347V 1p 1ph	
 at resistive load (2 poles per 1 phase) rated value 	300A @600V 2p 1ph	
 at resistive load (3 poles per 3 phases) rated value 	300A @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		
type of voltage of the control supply voltage	AC	
control supply voltage		
• at AC at 50 Hz rated value	110 V	
• at AC at 60 Hz rated value	120 V	
apparent pick-up power of magnet coil at AC	1600 VA	
apparent holding power of magnet coil at AC	550 VA	
operating range factor control supply voltage rated value of magnet coil	0.85 1.1	

degree of protection NEMA rating of the enclosure Open device (no enclosure) Mounting/wring NA Mounting/wring mounting position Vertical fastening method Surface mounting and installation Installation Type of electrical connectable conductor ross-sections at line-side for AVG cables single or multi-stranded Tx (4 AVG 600 kcmil) Imperature of the conductor ross-sections at line-side for AVG cables single or multi-stranded Tx (4 AVG 600 kcmil) Type of electrical connectable conductor ross-sections at line-side for AVG cables single or multi-stranded Tx (4 AVG 600 kcmil) Type of electrical connection for supply maximum permissible 75 °C material of the conductor for supply maximum permissible 75 °C material of the conductor for load-side outgoing feeder Box lug tightening torque [lbf-in] for load-side outgoing feeder Box lug transimum permissible 75 °C material of the conductor for load-side outgoing feeder Box lug type of electrical connection of magnet coil Screev-type terminals fightening torque [lbf-in] at magnet coil 8 12 lbf-in type of alcetrical connection of magnet coil Screev-type terminals tightening	Enclosure		
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• at 600 V 10 kA certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No. 14	• at 240 V	10 kA	
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No. 14	• at 480 V	10 kA	
	• at 600 V	10 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)

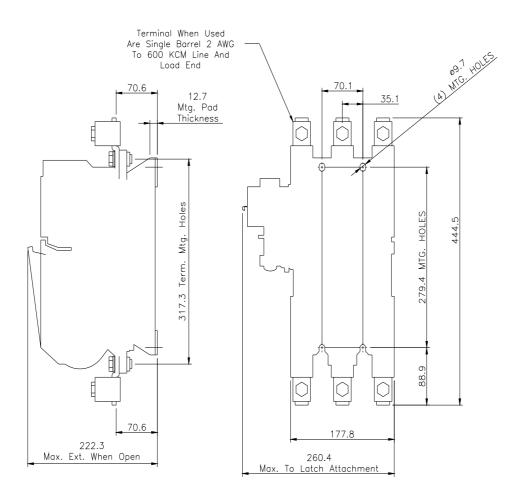
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM0G03120

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0G03120

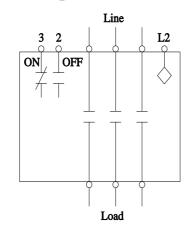
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0G03120&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0G03120/certificate



Wiring Diagram Class CLM 300 & 400 Amp 2 & 3 Pole



Notes:

- 1. Dotted line represents third pole.
 - Contactor may have 2 or 3 poles.
- 2. Optional auxiliary contacts are not shown.

E87010-A0410-T009-A1-CLM-7

last modified:

8/17/2023

Mouser Electronics

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