SIEMENS

Data sheet

US2:CLM1F02240



Mechanically held lighting contactor, Contactor amp rating 200A, 0 N.C. / 2 N.O. poles, 220VAC 50HZ/240VAC 60HZ coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

product brand name	Class CLM	
design of the product	Magnetically latched lighting contactor	
special product feature	Energy efficient; Quiet operation	
General technical data		
weight [lb]	113 lb	
Height x Width x Depth [in]	25 × 14 × 9 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	200 Amp	
number of NO contacts for main contacts	2	
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	500000	
contact rating of the main contacts of lighting contactor		
 at tungsten (1 pole per 1 phase) rated value 	200A @277V 1p 1ph	
 at tungsten (2 poles per 1 phase) rated value 	200A @480V 2p 1ph	
 at tungsten (3 poles per 3 phases) rated value 	200A @480V 3p 3ph	
 at ballast (1 pole per 1 phase) rated value 	200A @347V 1p 1ph	
 at ballast (2 poles per 1 phase) rated value 	200A @600V 2p 1ph	
 at ballast (3 poles per 3 phases) rated value 	200A @600V 3p 3ph	
 at resistive load (1 pole per 1 phase) rated value 	200A @347V 1p 1ph	
 at resistive load (2 poles per 1 phase) rated value 	200A @600V 2p 1ph	
 at resistive load (3 poles per 3 phases) rated value 	200A @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	220 V	
• at AC at 60 Hz rated value	240 V	
apparent pick-up power of magnet coil at AC	900 VA	
apparent holding power of magnet coil at AC	200 VA	
operating range factor control supply voltage rated value of magnet coil	0.85 1.1	

degree of protection NEMA rating of the enclosure NEMA 1 enclosure design of the housing indoors, usable on a general basis Mounting/writing mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [bf-in] for supply not supply 275 300 lbf-in New Gables single or multi-stranded temperature of the conductor cross-sections at line-side for advisor supply maximum permissible 75 °C To C material of the conductor for supply maximum permissible 75 °C Sour lug Sour lug tightening torque [bf-in] for load-side outgoing feeder 275 300 lbf-in Ype of electrical connection for load-side outgoing feeder 275 300 lbf-in type of connectable conductor cross-sections for AWG cables 1x (4 AWG 300 kcmil) To C for load-side outgoing feeder 275 300 lbf-in Sour C Sour C type of electrical connection for load-side outgoing feeder 275 °C Sour C Sour C type of electrical connection of magnet coil Screw-type terminals Sour C Sour C temperature of the conductor for load-side outgoing feeder	Enclosure	
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• at 480 V 10 kA • at 600 V 10 kA	maximum short-circuit current breaking capacity (Icu)	
• at 600 V 10 kA	• at 240 V	10 kA
	• at 480 V	10 kA
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No. 14	• at 600 V	10 kA
		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)

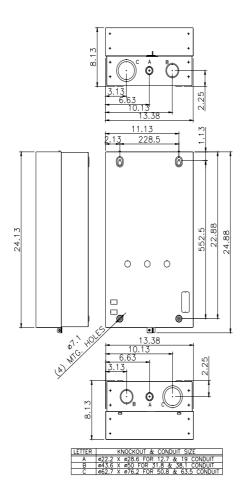
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM1F02240

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1F02240

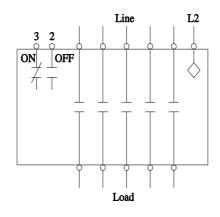
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM1F02240&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1F02240/certificate



Wiring Diagram Class CLM 30-200 Amp 2, 3, 4 and 5 Pole



Notes:

- 1. Dotted lines represent additional poles.
- Contactor may have 2, 3, 4 or 5 poles.
- 2. Optional auxiliary contacts are not shown.

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last modified:

7/10/2023