SIEMENS

Data sheet US2:CLM1E05208



Mechanically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 5 N.O. poles, 208VAC 60HZ coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

product brand name Class CLM Magnetically latched lighting contactor special product feature Energy efficient; Quiet operation General technical data Weight [Ib] 25 ib Height X Width x Depth [In] 20 × 12 × 8 in touch protection against electrical shock NA for enclosed products installation attitude [ft] at height above sea level maximum country of origin USA Contactor Size of contactor 100 Amp 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 at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value 100A @480V 2p 1ph at ballast (1 pole per 1 phase) rated value 100A @480V 2p 1ph 100A @600V 2p				
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type of voltage of the control supply voltage output	number of total auxiliary contacts maximum	4		
type of voltage of the control supply voltage output at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent grange factor control supply voltage rated value of magnet coil at AC apparent olding power of magnet coil at AC apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent olding power	contact rating of auxiliary contacts of contactor according to UL	NA		
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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 0.85 1.1	Coil			
 at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparenting range factor control supply voltage rated value of magnet coil 	type of voltage of the control supply voltage	AC		
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 1300 VA 0.85 1.1	control supply voltage			
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 130 VA 0.85 1.1	at AC at 60 Hz rated value	208 V		
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 130 VA 0.85 1.1	apparent pick-up power of magnet coil at AC	1300 VA		
operating range factor control supply voltage rated value of magnet coil 0.85 1.1	apparent holding power of magnet coil at AC	130 VA		
Enclosure	operating range factor control supply voltage rated value of	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	Box lug			
tightening torque [lbf·in] for supply	90 100 lbf·in			
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	1x (6 1/0 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	Box lug			
tightening torque [lbf-in] for load-side outgoing feeder	90 100 lbf-in			
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	1x (6 1/0 AWG)			
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C			
material of the conductor for load-side outgoing feeder	AL or 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 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:CLM1E05208

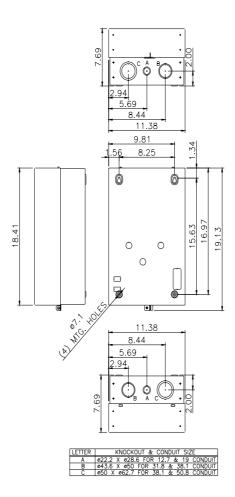
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1E05208

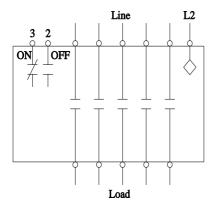
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM1E05208&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1E05208/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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