SIEMENS

Data sheet

US2:CLM1E04208



Mechanically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 4 N.O. poles, 208VAC 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 Ganzard technical data 25 lb weight [lb] 25 lb Height x Widh x Depth [in] 20 × 12 × 8 in State of on against electrical shock NA for enclosed products Installation altitude [ft] at height above sea level maximum 6560 ft control of origin USA Contactor 100 Amp number of NG contacts for main contacts 4 number of NG contacts for main contacts 0 operating voldege for main current circuit at AC at 60 Hz 5000000 maximum 600 V mechanical service life (operating cycles) of the main contacts 0 operating voldege for main contacts of lighting contactor • • at tungsten (2 poles per 1 phase) rated value 100A @2277V 1p tph • at tungsten (2 poles per 1 phase) rated value 100A @480V 2p tph • at tungsten (2 poles per 1 phase) rated value 100A @4287V 1p tph • at ballast (2 poles per 1 phase) rated value 100A @4280V 2p tph <t< th=""><th></th><th></th></t<>		
special product feature Energy efficient; Quiet operation General technical data 25 lb Height x Width x Deph [in] 20 x 12 x 8 in Touch protection against electrical shock NA for enclosed products Installation altitude [ff] at height above sea level maximum 6660 ft country of origin USA Contactor 100 Amp number of NG contacts for main contacts 4 number of NG contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V machanical service life (operating cycles) of the main contacts 0 thungsten (2 poles per 1 phase) rated value 100A @277V 1p tph et tungsten (2 poles per 1 phase) rated value 100A @480V 2p tph et tungsten (2 poles per 1 phase) rated value 100A @480V 2p tph et at ballast (2 poles per 1 phase) rated value 100A @600V 2p tph et at ballast (2 poles per 1 phase) rated value 100A @600V 2p tph et at ballast (2 poles per 1 phase) rated value 100A @600V 2p tph et at ballast (2 poles per 1 phase) rated value 100A @600V 2p tph et at resistive load (3 poles	product brand name	Class CLM
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Installation altitude [ft] at height above sea level maximum 6560 ft Contactor USA Contactor 100 Amp number of NO 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 600 V mechanical service life (operating cycles) of the main contacts 5000000 typical contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value 100A @480V 2p 1ph • at tungsten (2 poles per 1 phase) rated value 100A @480V 3p 3ph • at ballast (2 poles per 1 phase) rated value 100A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 100A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 100A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 100A @600V 2p 1ph • at tesistive load (1 pole per 1 phase) rated value 100A @600V 3p 3ph • at resistive load (2 poles per 1 phase) rated value 100A @600V 3p 3ph • at resistive load (3 poles per 3 phases) rated value 100A @600V 3p 3ph Auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 <	Height x Width x Depth [in]	20 × 12 × 8 in
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magnet coil	apparent holding power of magnet coil at AC	130 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
lounting/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
hort-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
urther information	

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM1E04208

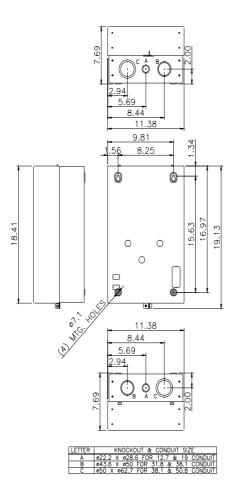
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1E04208

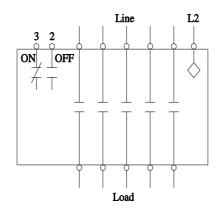
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM1E04208&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1E04208/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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1/25/2022 🖸

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