SIEMENS

Data sheet US2:CLM0G02208



Mechanically held lighting contactor, Contactor amp rating 300A, 0 N.C. / 2 N.O. poles, 208VAC 60HZ coil, Non-combination type, Enclosure NEMA type (open), No enclosure

design of the product Special product feature Energy efficient; Quiet operation General reclinical data weight [Ib] Height x Width x Depth [in] 18.57 x 10.81 x 9.06 in touch protection against electrical shock Installation altitude [ft] at height above sea level maximum Country of origin Country of origin Size of contactor size of contactor size of contactor size of 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 mechanical service life (operating cycles) of the main contacts lypical contact rating of the main contacts of lighting contactor • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at tablast (2 poles per 1 phase) rated value • at tresistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 4 phase) rated value • at resistive load (3 poles per 4 phase) rated value • at resistive load (3 poles per 4 phase) rated value • at resistive load (3 poles per 4 phase) rated value • at resistive load (4 pole per 1 phase) rated value • at resistive load (5 poles per 4 phase) rated value • at resistive load (5 poles per 4 phase) rated value • at resistive load (6 poles per 4 phase) rated value • at resistive load (7 poles per 4 phase) rated value • at resistive load (7 poles per 4 phase) rated value • at resistive load (7 pole	product brand name	Class CLM	
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at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the 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 operating range factor control supply voltage rated value of magnet coil at ballast (2 poles per 3 phases) rated value and a00A @600V 3p 3ph a00A @600V 3p 3ph AUXIII and a00A @600V 3p 3ph	 at tungsten (3 poles per 3 phases) rated value 	300A @480V 3p 3ph	
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 at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) 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 number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the 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 onerating range factor control supply voltage rated value of magnet coil 	 at ballast (2 poles per 1 phase) rated value 	300A @600V 2p 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 number of total auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the control supply voltage at AC at 60 Hz rated value apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil 0.85 1.1 	 at ballast (3 poles per 3 phases) rated value 	300A @600V 3p 3ph	
at resistive load (3 poles per 3 phases) rated value Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the 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 operating range factor control supply voltage rated value of magnet coil 0.85 1.1	 at resistive load (1 pole per 1 phase) rated value 	300A @347V 1p 1ph	
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 AC • at AC at 60 Hz rated value 208 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	 at resistive load (2 poles per 1 phase) rated value 	300A @600V 2p 1ph	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the control supply voltage o at AC at 60 Hz rated value 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 number of NC contacts for auxiliary contacts 0 NA Coil 1000 VA 100	at resistive load (3 poles per 3 phases) rated value	300A @600V 3p 3ph	
number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the control supply voltage o at AC at 60 Hz rated value 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 number of NO contacts for auxiliary contacts 0 NA AC 208 V 1600 VA apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil	Auxiliary contact		
number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL NA Coil type of voltage of the control supply voltage o at AC at 60 Hz rated value 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 number of total auxiliary contacts maximum AC NA 208 V 1600 VA 1600 VA 2550 VA 085 1.1	number of NC contacts for auxiliary contacts	0	
contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the 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 operating range factor control supply voltage rated value of magnet coil	number of NO contacts for auxiliary contacts	0	
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 operating range factor control supply voltage rated value of magnet coil magnet coil AC 208 V 1600 VA 550 VA 0.85 1.1	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 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 operating range factor control supply voltage rated value of magnet coil 0.85 1.1 	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 0.85 1.1	control supply voltage		
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	at AC at 60 Hz rated value	208 V	
operating range factor control supply voltage rated value of magnet coil 0.85 1.1	apparent pick-up power of magnet coil at AC	1600 VA	
magnet coil	apparent holding power of magnet coil at AC	550 VA	
Enclosure		0.85 1.1	
	Enclosure		

degree of protection NEMA rating of the enclosure	Open device (no enclosure)	
design of the housing	NA	
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	500 525 lbf-in	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	1x (4 AWG 600 kcmil)	
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	500 525 lbf·in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	1x (4 AWG 600 kcmil)	
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 (lcu)		
• at 240 V	10 kA	
● 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:CLM0G02208

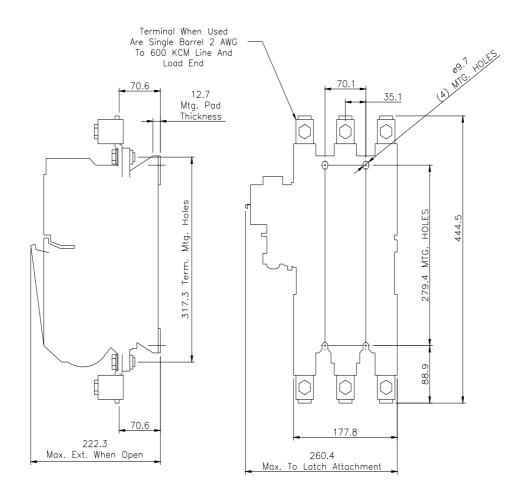
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0G02208

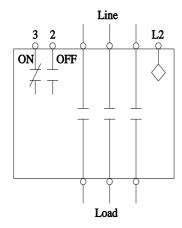
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0G02208&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0G02208/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.

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