SIEMENS

Data sheet US2:CLM0D02277



Mechanically held lighting contactor, Contactor amp rating 60A, 0 N.C. / 2 N.O. poles, 277VAC 60HZ coil, Non-combination type, Enclosure NEMA type (open), No enclosure

design of the product Special product feature General technical data weight (Ib) Height x Width x Depth (in) touch protection against electrical shock installation altitude (If) at height above sea level maximum country of origin Country of origin Country of origin size of contactor size of contactor number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts ylpical 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 at ballast (2 poles per 1 phase) rated value at the at ballast (2 poles per 1 phase) rated value at testistive load (2 poles per 1 phase) rated value at testistive 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 1 phase) 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 1 phase) 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 1 phase) 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 (4 pole 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 pole 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 poles per 4 phase) rated value at resistive load (8 poles per 4 phase) rated value at resistive load (8 poles per 4 phase) rated value at resistive	product brand name	Class CLM	
weight [Ib] 3 ib Height x Width x Depth [in] 4,53 × 3,43 × 5,1 in touch protection against electrical shock Not finger-safe installation altitude (fig at height above sea level maximum 6560 ft country of origin USA Contactor size of contactor 60 Amp number of NO contacts for main contacts 0 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts vipical 1 thungsten (1 pole per 1 phase) rated value 60A @480V 2p 1ph at thungsten (2 poles per 1 phase) rated value 60A @480V 2p 1ph at ballast (1 pole per 1 phase) rated value 60A @480V 2p 1ph at ballast (2 poles per 1 phase) rated value 60A @480V 3p 3ph at resistive load (1 pole per 1 phase) rated value 60A @600V 2p 1ph at latest (3 poles per 3 phases) rated value 60A @600V 3p 3ph at resistive load (1 pole per 1 phase) rated value 60A @600V 3p 3ph at resistive load (2 poles per 1 phase) rated value 60A @600V 3p 3ph at resistive load (2 poles per 1 phase) rated value 60A @600V 3p 3ph at resistive load (2 poles per 1 phase) rated value 60A @600V 3p 3ph at resistive load (3 poles per 3 phases) rated value 60A @600V 3p 3ph at resistive load (3 poles per 1 phase) rated value 60A @600V 3p 3ph at resistive load (3 poles per 1 phase) rated value 60A @600V 3p 3ph at resistive load (3 poles per 1 phase) rated value 60A @600V 3p 3ph Auxillary contact number of NO contacts for auxillary contacts 0 numbe	design of the product	Magnetically latched lighting contactor	
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touch protection against electrical shock installation altitude [ft] at height above sea level maximum (6560 ft (2500 ft)) country of origin (2500 ft) Size of contactor (60 Amp (2700 ft)) number of NO contacts for main contacts (20 operating voltage for main contacts (20 operating voltage for main current circuit at AC at 60 Hz maximum (2700 ft) (2700	weight [lb]	3 lb	
installation altitude [ft] at height above sea level maximum country of origin USA Contactor size of contactor number of NC 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 typical 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 tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (1 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 resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) 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 • 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 (5 poles per 1 phase) rated value • at resistive load (5 poles per 1 phase) rated value • (50A @600V 3p 3p) Auxiliary contact number of NC contacts for auxiliary contacts at AC at 60 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value apparent holding 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet	Height x Width x Depth [in]	4.53 × 3.43 × 5.1 in	
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at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 60A @600V 2p 1ph 60A @600V 3p 3ph Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 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 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 named coil 60A @600V 2p 1ph 60A @600V 2p 1ph 60A @600V 3p 3ph 60A @600V	 at ballast (3 poles per 3 phases) rated value 	60A @600V 3p 3ph	
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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 277 V apparent pick-up power of magnet coil at AC 410 VA apparent holding power of magnet coil at AC 40 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 	60A @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 • 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 0 0 0 0 0 0 0 0 0 0 0 0	 at resistive load (3 poles per 3 phases) rated value 	60A @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 • 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 4 4 4 40 0 0 85 1.1	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 277 V 410 VA 410 VA 40 VA 0 perating range factor control supply voltage rated value of magnet coil number of total auxiliary contacts maximum 4 0 NA	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 out of the control supply voltage out 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 according to the control supply voltage rated value of magnet coil according to the control supply voltage rated value of magnet coil	number of total auxiliary contacts maximum	4	
type of voltage of the control supply voltage out of the control supply voltage out of the control supply voltage out of the control supply voltage 277 V 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	contact rating of auxiliary contacts of contactor according to UL	NA	
control supply voltage • at AC at 60 Hz rated value 277 V apparent pick-up power of magnet coil at AC 410 VA apparent holding power of magnet coil at AC 40 VA 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 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 410 VA 40 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 40 VA 0.85 1.1	at AC at 60 Hz rated value	277 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	410 VA	
magnet coil	apparent holding power of magnet coil at AC	40 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	45 50 lbf·in	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	1x (14 4 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	45 50 lbf·in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	1x (14 4 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:CLM0D02277

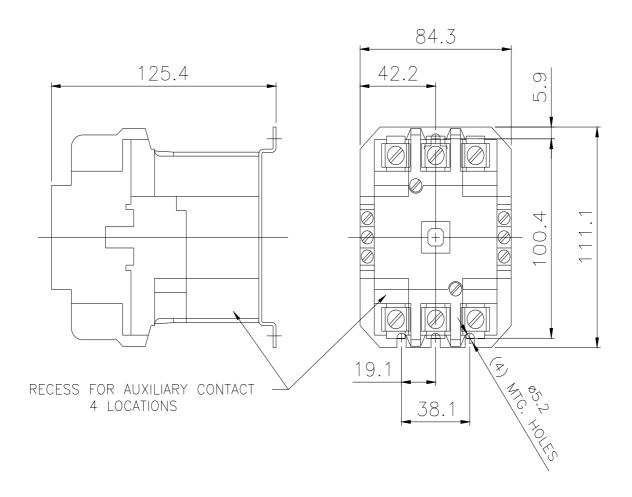
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D02277

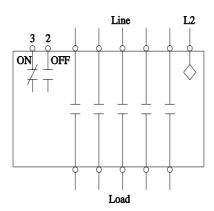
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0D02277&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0D02277/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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