## SIEMENS

## Data sheet

## US2:CLM0C05480



Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 5 N.O. poles, 440VAC 50HZ/480VAC 60HZ coil, Non-combination type, Enclosure NEMA type (open), No enclosure

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]         4 lb           Height x Width x Depth [in]         4.53 × 4.33 × 4.78 in           touch protection against electrical shock         Not finger-safe           installation altitude [ff] at height above sea level maximum         6660 ft           contactor         30 Amp           number of NC contacts for main contacts         5           number of NC contacts for main contacts         0           operating voltage for main current circuit at AC at 60 Hz         600 V           maximum         10000000           contacts typical         10000000           contacts typical         30A @277V 1p 1ph           eat tungsten (1 pole per 1 phase) rated value         30A @480V 2p 1ph           eat balast (2 poles per 1 phase) rated value         30A @480V 2p 1ph           eat balast (2 poles per 1 phase) rated value         30A @600V 2p 1ph           eat balast (2 poles per 1 phase) rated value         30A @600V 2p 1ph           eat resistive load (2 poles per 1 phase) rated value         30A @600V 2p 1ph           eat resistive load (2		
special product feature         Energy efficient; Quiet operation           General tochnical data         ••••••••••••••••••••••••••••••••••••	product brand name	Class CLM
General technical data       4 lb         weight [lb]       4 lb         Height x Width x Depth [in]       4.53 × 4.33 × 4.78 in         touch protection against electrical shock       Not finger-safe         installation allitude [ft] at height above sea level maximum       6560 ft         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       1000000         contact rating of the main contacts of lighting contactor       600 & @277V 1p 1ph         e at tungsten (1 pole per 1 phase) rated value       30A @480V 2p 1ph         e at ballast (1 pole per 1 phase) rated value       30A @480V 2p 1ph         e at ballast (2 poles per 3 phases) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at resistive load (	design of the product	Magnetically latched lighting contactor
weight [b]       4 lb         Height x Width x Depth [in]       4.53 × 4.33 × 4.78 in         touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6560 ft         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         maximum       10000000         contact stypical       000000         contact stypical       00A @277V 1p 1ph         e at tungsten (1 pole per 1 phase) rated value       30A @277V 1p 1ph         e at tungsten (2 poles per 1 phase) rated value       30A @480V 2p 1ph         e at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at hallast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 3 phases) rate	special product feature	Energy efficient; Quiet operation
Height x Width x Depth [in]       4.53 × 4.33 × 4.78 in         touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6560 ft         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       10000000         contact stypical       10000000         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       30A @480V 2p 1ph         at tungsten (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at tungsten (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 3 phases) rated value       30A @600V 2p 1ph         at resistive load (1 pole per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 3 phases) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 3 phases) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value </td <td>General technical data</td> <td></td>	General technical data	
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installation altitude [ft] at height above sea level maximum       6560 ft         country of origin       USA         Contactor       30 Amp         number of NO contacts for main contacts       5         number of NC contacts for main contacts       0         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       10000000         mechanical service life (switching cycles) of the main contacts typical       10000000         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       30A @480V 2p 1ph         at tungsten (3 poles per 3 phases) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (1 pole per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph	Height x Width x Depth [in]	4.53 × 4.33 × 4.78 in
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Contactor       30 Amp         number of NO contacts for main contacts       5         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 (switching cycles) of the main contacts typical       10000000         contact stypical       00         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       30A @277V 1p 1ph         at tungsten (3 poles per 3 phases) rated value       30A @480V 2p 1ph         at tungsten (3 poles per 1 phase) rated value       30A @00V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         at ballast (3 poles per 3 phases) rated value       30A @00V 2p 1ph         at resistive load (1 pole per 1 phase) rated value       30A @00V 2p 1ph         at resistive load (2 poles per 1 phase) rated value       30A @00V 2p 1ph         at resistive load (3 poles per 3 phases) rated value       30A @00V 3p 3ph         at resistive load (3 poles per 3 phases) rated value       30A @00V 3p 3ph         at resistive load (3 poles per 3 phases) rated value       30A @00V 3p 3ph	installation altitude [ft] at height above sea level maximum	6560 ft
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<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> <li>at ballast (1 pole per 1 phase) rated value</li> <li>30A @480V 3p 3ph</li> <li>at ballast (2 poles per 1 phase) rated value</li> <li>30A @600V 2p 1ph</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>30A @600V 3p 3ph</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>30A @600V 2p 1ph</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>30A @600V 2p 1ph</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>30A @600V 3p 3ph</li> <li>Auxiliary contact</li> <li>number of NC contacts for auxiliary contacts</li> </ul>	<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	30A @277V 1p 1ph
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• at ballast (3 poles per 3 phases) rated value         30A @600V 3p 3ph           • at resistive load (1 pole per 1 phase) rated value         30A @347V 1p 1ph           • at resistive load (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at resistive load (3 poles per 3 phases) rated value         30A @600V 3p 3ph           Auxiliary contact         30A @600V 3p 3ph	<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
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Auxiliary contact     0	<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
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	Auxiliary contact	
number of NO contacts for auxiliary contacts 0	number of NC contacts for auxiliary contacts	0
	number of NO contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	number of total auxiliary contacts maximum	4
contact rating of auxiliary contacts of contactor according NA to UL		NA
Coil	Coil	
type of voltage of the control supply voltage AC	type of voltage of the control supply voltage	AC
control supply voltage	control supply voltage	
• at AC at 50 Hz rated value 440 V	<ul> <li>at AC at 50 Hz rated value</li> </ul>	440 V
• at AC at 60 Hz rated value 480 V	<ul> <li>at AC at 60 Hz rated value</li> </ul>	480 V
apparent pick-up power of magnet coil at AC 410 VA	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	
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	Screw-type terminals	
tightening torque [lbf·in] for supply	18 20 lbf·in	
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	2x (14 8 AWG)	
temperature of the conductor for supply maximum permissible	75 °C	
material of the conductor for supply	CU	
type of electrical connection for load-side outgoing feeder	Screw-type terminals	
tightening torque [lbf·in] for load-side outgoing feeder	18 20 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	2x (14 8 AWG)	
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C	
material of the conductor for load-side outgoing feeder	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 at 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	
breaking capacity maximum short-circuit current (lcu)		
● 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:CLM0C05480		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C05480		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:CLM0C05480⟨=en</u>		

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C05480/certificate

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