SIEMENS

Data sheet US2:CLM0C10240

Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 10 N.O. poles, 220VAC 50HZ/240VAC 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]	10 lb	
Height x Width x Depth [in]	5.87 × 11.75 × 4.86 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		
size of contactor	30 Amp	
number of NO contacts for main contacts	10	
number of NC contacts for main contacts	0	
operating voltage for main current circuit at AC at 60 Hz maximum	600 V	
mechanical service life (operating 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 	30A @277V 1p 1ph	
 at tungsten (2 poles per 1 phase) rated value 	30A @480V 2p 1ph	
 at tungsten (3 poles per 3 phases) rated value 	30A @480V 3p 3ph	
 at ballast (1 pole per 1 phase) rated value 	30A @347V 1p 1ph	
 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph	
 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		
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		
• at AC at 50 Hz rated value	220 V	
at AC at 60 Hz rated value	240 V	
apparent pick-up power of magnet coil at AC	820 VA	
apparent holding power of magnet coil at AC	80 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 for 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 for 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 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 508A
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

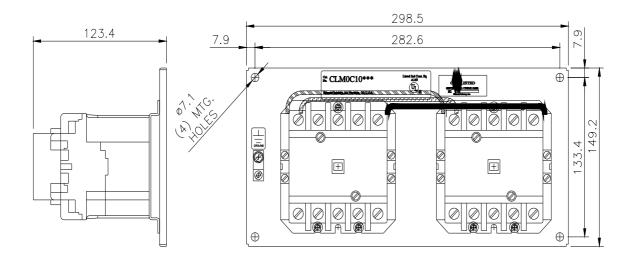
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM0C10240

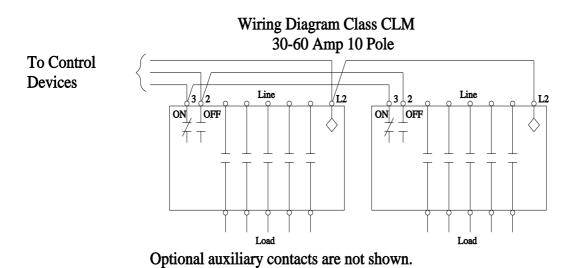
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C10240

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:CLM0C10240&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C10240/certificate





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