## **SIEMENS**

Data sheet US2:CLM0C12024

Mechanically held lighting contactor, Contactor amp rating 30A, 0 N.C. / 12 N.O. poles, 24VAC 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]	13 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	12
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	
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	30A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	30A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	30A @480V 3p 3ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph
<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	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 60 Hz rated value	24 V
apparent pick-up power of magnet coil at AC	1230 VA
apparent holding power of magnet coil at AC	120 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:CLM0C12024

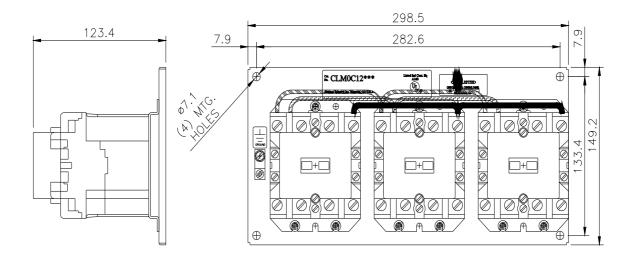
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

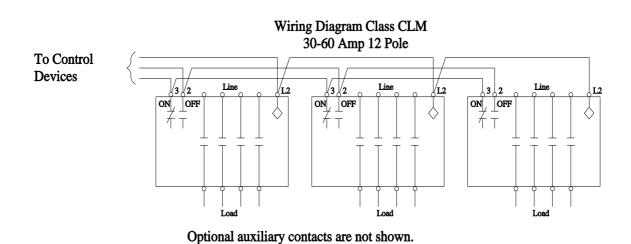
https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C12024

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:CLM0C12024&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:CLM0C12024&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0C12024/certificate





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