## SIEMENS

## Data sheet

## US2:CLM0F03240



Mechanically held lighting contactor, Contactor amp rating 200A, 0 N.C. / 3 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]	26 lb
Height x Width x Depth [in]	6.86 × 4.78 × 6.98 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	200 Amp
number of NO contacts for main contacts	3
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	500000
contact rating of the main contacts of lighting contactor	
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	200A @277V 1p 1ph
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	200A @480V 2p 1ph
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	200A @480V 3p 3ph
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	200A @347V 1p 1ph
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	200A @600V 2p 1ph
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	200A @600V 3p 3ph
<ul> <li>at resistive load (1 pole per 1 phase) rated value</li> </ul>	200A @347V 1p 1ph
<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	200A @600V 2p 1ph
<ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>	200A @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	900 VA
apparent holding power of magnet coil at AC	200 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1

degree of protection NEMA rating of the enclosure         Open device (no enclosure)           design of the housing         NA           Mounting/wiring	Enclosure		
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         275 300 lbf-in           type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         1x (4 AWG 300 kcmil)           temperature of the conductor for supply maximum permissible         75 °C           material of the conductor for supply maximum permissible         75 °C           tightening torque [lbf-in] for load-side outgoing feeder         Box lug           type of electrical connection for load-side outgoing feeder         80x lug           tightening torque [lbf-in] for load-side outgoing feeder         1x (4 AWG 300 kcmil)           type of connectable conductor cross-sections for AWG cables         1x (4 AWG 300 kcmil)           type of connectable conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         1x (4 AWG 300 kcmil)           material of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         2c °C           material of the conductor cross-sections of magnet coil         8 12 lbf-in           type of connectable conduc	degree of protection NEMA rating of the enclosure	Open device (no enclosure)	
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         275 300 lbf-in           type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         1x (4 AWG 300 kcmil)           temperature of the conductor for supply maximum permissible         75 °C           material of the conductor for load-side outgoing feeder         Box lug           tightening torque [lbf-in] for load-side outgoing feeder         275 300 lbf-in           type of connectable conductor cross-sections for AWG cables         1x (4 AWG 300 kcmil)           for load-side outgoing feeder         275 300 lbf-in           type of connectable conductor rors-sections for AWG cables         1x (4 AWG 300 kcmil)           for load-side outgoing feeder         75 °C           maximum permissible         75 °C           material of the conductor for load-side outgoing feeder         1x (4 AWG 300 kcmil)           temperature of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         AL or CU           type of electrical connection of magnet coil         8 12 lbf-in           type of connectable conductor orses-sec	design of the housing	NA	
fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       275 300 lbf-in         type of connectable conductor cross-sections at line-side for       1x (4 AWG 300 kcmil)         AWG cables single or multi-stranded       1x (4 AWG 300 kcmil)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       275 300 lbf-in         type of connectable conductor cross-sections for AWG cables       1x (4 AWG 300 kcmil)         for load-side outgoing feeder single or multi-stranded       1x (4 AWG 300 kcmil)         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       27 °C         material of the conductor for load-side outgoing feeder       27 °C         material of the conductor for load-side outgoing feeder       27 °C         material of the conductor for load-side outgoing feeder       28 12 lbf in         type of electrical connectable conduc	Mounting/wiring		
type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply275 300 lbf-intype of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded1x (4 AWG 300 kcmil)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder275 300 lbf-intype of electrical connection for load-side outgoing feeder275 300 lbf-intype of connectable conductor for supplyAL or CUtype of connectable conductor for so-sections for AWG cables for load-side outgoing feeder275 300 lbf-intype of electrical connection for load-side outgoing feeder75 °Cmaximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder275 300 lbf-intype of electrical connection for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of connectable conductor cross-sections of magnet coil8 12 lbf-intype of connectable conductor at magnet coil8 12 lbf-intype of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUShort-circuit current rating design of the fuse link for short-	mounting position	Vertical	
tightening torque [lbf:in] for supply       275 300 lbf:in         type of connectable conductor cross-sections at line-side for       1x (4 AWG 300 kcmil)         AWG cables single or multi-stranded       1x (4 AWG 300 kcmil)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       75 °C         ightening torque [lbf:in] for load-side outgoing feeder       Box lug         tightening torque [lbf:in] for load-side outgoing feeder       275 300 lbf-in         type of connectable conductor cross-sections for AWG cables       1x (4 AWG 300 kcmil)         for load-side outgoing feeder single or multi-stranded       1x (4 AWG 300 kcmil)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       AL or CU         type of connectable conductor cross-sections of magnet coil       Screw-type terminals         tightening torque [lbf:in] at magnet coil       8 12 lbf-in         type of connectable conductor at magnet coil for       2x (16 12 AWG)         AWG cables single or multi-stranded       CU <td>fastening method</td> <td>Surface mounting and installation</td>	fastening method	Surface mounting and installation	
type of connectable conductor cross-sections at line-side for       1x (4 AWG 300 kcmil)         AWG cables single or multi-stranded       75 °C         material 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       275 300 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       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 at magnet coil for AWG cables single or multi-stranded       75 °C         wWG cables single or multi-stranded       75 °C         temperature of the conductor at magnet coil maximum permissible       75 °C	type of electrical connection for supply voltage line-side	Box lug	
ÁWG cables single or multi-stranded       ************************************	tightening torque [lbf·in] for supply	275 300 lbf·in	
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       275 300 lbf-in         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded       1x (4 AWG 300 kcmil)         temperature of the conductor for load-side outgoing feeder       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         temperature of the conductor at magnet coil maximum permissible       75 °C         MWG cables single or multi-stranded       2x (16 12 AWG)         temperature of the conductor at magnet coil maximum permissible       2x (16 12 AWG)         temperature of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       2x (16 12 AWG)         temperature of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil       CU		1x (4 AWG 300 kcmil)	
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder275 300 lbf-intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (4 AWG 300 kcmil)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maying to electrical connection of magnet coil8 12 lbf-intype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded8 12 lbf-intemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coil for AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coil maximum permissible75 °C	temperature of the conductor for supply maximum permissible	75 °C	
tightening torque [lbf-in] for load-side outgoing feeder275 300 lbf-intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (4 AWG 300 kcmil)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coil8 12 lbf-intype of connectable conductor cross-sections of magnet coil of AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coilCUShort-circuit current rating design of the fuse link for short-circuit protection of the mainnone	material of the conductor for supply	AL or CU	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded       1x (4 AWG 300 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       8 12 lbf-in         type of connectable conductor cross-sections of magnet coil of AWG cables single or multi-stranded       2x (16 12 AWG)         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil for AWG cables single or multi-stranded       8 12 lbf-in         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil maximum permissible       75 °C         temperature of the conductor at magnet coil       CU         Short-circuit current rating       00 the fuse link for short-circuit protection of the main	type of electrical connection for load-side outgoing feeder	Box lug	
for load-side outgoing feeder single or multi-stranded       The conductor for load-side outgoing feeder         temperature of the conductor for load-side outgoing feeder       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 maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil maximum permissible       75 °C         material of the conductor at magnet coil       CU         Short-circuit current rating       000000000000000000000000000000000000	tightening torque [lbf·in] for load-side outgoing feeder	275 300 lbf·in	
maximum permissible       AL or CU         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		1x (4 AWG 300 kcmil)	
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		75 °C	
tightening torque [lbf-in] at magnet coil       8 12 lbf-in         type of connectable conductor cross-sections of magnet coil for       2x (16 12 AWG)         AWG cables single or multi-stranded       75 °C         temperature of the conductor at magnet coil maximum       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	material of the conductor for load-side outgoing feeder	AL or CU	
type of connectable conductor cross-sections of magnet coil for       2x (16 12 AWG)         AWG cables single or multi-stranded       2x (16 12 AWG)         temperature of the conductor at magnet coil maximum       75 °C         permissible       CU         Short-circuit current rating       CU         design of the fuse link for short-circuit protection of the main       none	type of electrical connection of magnet coil	Screw-type terminals	
AWG cables single or multi-stranded     The conductor at magnet coil maximum permissible       material of the conductor at magnet coil     CU       Short-circuit current rating     CU	tightening torque [lbf·in] at magnet coil	8 12 lbf·in	
permissible       material of the conductor at magnet coil     CU       Short-circuit current rating       design of the fuse link for short-circuit protection of the main     none		2x (16 12 AWG)	
Short-circuit current rating       design of the fuse link for short-circuit protection of the main   none		75 °C	
design of the fuse link for short-circuit protection of the main none	material of the conductor at magnet coil	CU	
5	Short-circuit current rating		
	5	none	
design of the short-circuit trip Thermal magnetic circuit breaker	design of the short-circuit trip	Thermal magnetic circuit breaker	
maximum short-circuit current breaking capacity (lcu)	maximum short-circuit current breaking capacity (Icu)		
• at 240 V 10 kA	• at 240 V	10 kA	
• at 480 V 10 kA	• at 480 V	10 kA	
• at 600 V 10 kA	• at 600 V	10 kA	
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No. 14		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)

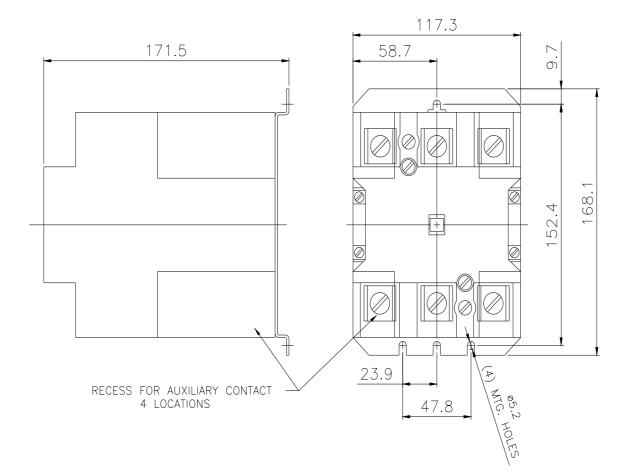
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0F03240

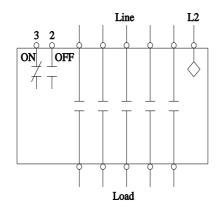
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:CLM0F03240&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM0F03240/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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