## SIEMENS

## Data sheet

## US2:CLMSB12120



Mechanically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 12 N.O. poles, Non-combination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

-(1		
product brand name	Class CLM	
design of the product	Mechanically held lighting contactor	
special product feature	Energy efficient; Quiet operation	
General technical data		
weight [lb]	9 lb	
Height x Width x Depth [in]	16 × 13 × 6 in	
touch protection against electrical shock	NA for enclosed products	
installation altitude [ft] at height above sea level maximum	6560 ft	
country of origin	USA	
Contactor		
size of contactor	20 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	
contact rating of the main contacts of lighting contactor		
<ul> <li>at tungsten (1 pole per 1 phase) rated value</li> </ul>	20A @250V 1p 1ph	
<ul> <li>at tungsten (2 poles per 1 phase) rated value</li> </ul>	20A @250V 2p 1ph	
<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @250V 3p 3ph	
<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	20A @347V 1p 1ph	
<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	20A @600V 2p 1ph	
<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	20A @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	
<ul> <li>at resistive load (3 poles per 3 phases) rated value</li> </ul>	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		
<ul> <li>at AC at 50 Hz rated value</li> </ul>	110 120 V	
<ul> <li>at AC at 60 Hz rated value</li> </ul>	110 120 V	
apparent pick-up power of magnet coil at AC	600 VA	
apparent holding power of magnet coil at AC	6 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	NEMA 4x 304 stainless steel enclosure	

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design of the housing	dustproof, waterproof & resistant to corrosion
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 18 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (18 10 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 18 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (18 10 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	18 18 lbf·in
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (18 10 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 (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

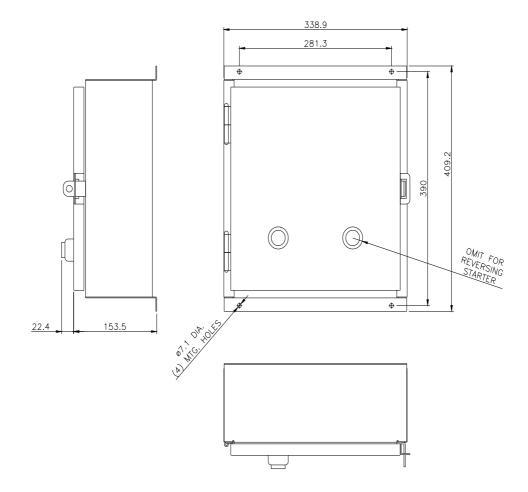
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLMSB12120 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLMSB12120

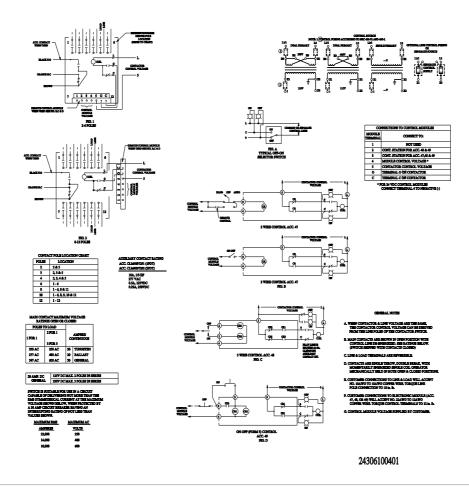
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:CLMSB12120&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLMSB12120/certificate





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