## **SIEMENS**

Data sheet US2:CLM1B08120

Class CLM

Mechanically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 8 N.O. poles, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use



product brand name



design of the product	Mechanically held lighting contactor		
anacial product facture			
special product feature	Energy efficient; Quiet operation		
General technical data			
weight [lb]	9 lb		
Height x Width x Depth [in]	14 × 8 × 7 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	8		
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		
• 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			
<ul> <li>at AC at 50 Hz rated value</li> </ul>	110 120 V		
at AC at 60 Hz rated value	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 1 enclosure		

design of the housing	indoors, usable on a general basis			
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 (Icu)				
• 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:CLM1B08120

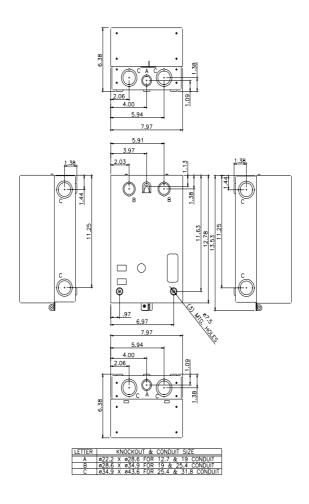
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1B08120

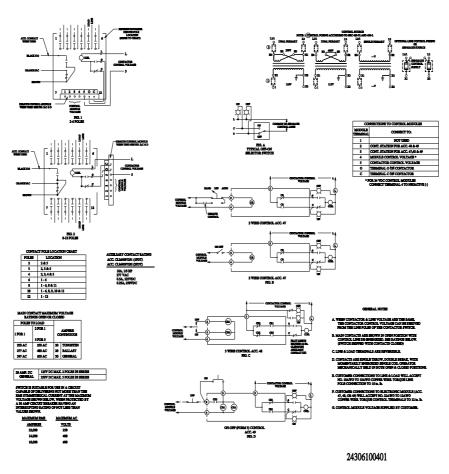
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:CLM1B08120&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1B08120/certificate





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