SIEMENS

Data sheet US2:CLM1B04208

Mechanically held lighting contactor, Contactor amp rating 20Amp 0NC _ 4NO poles, 208-240V 50/60HZ coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

Figure similar

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]	8 lb
Height x Width x Depth [in]	14 × 8 × 7 in
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	4
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	

• at tungsten (1 pole per 1 phase) rated value	20A @250V 1p 1ph
• at tungsten (2 poles per 1 phase) rated value	20A @250V 2p 1ph
• at tungsten (3 poles per 3 phases) rated value	20A @250V 3p 3ph
• at ballast (1 pole per 1 phase) rated value	20A @347V 1p 1ph
• at ballast (2 poles per 1 phase) rated value	20A @600V 2p 1ph
• at ballast (3 poles per 3 phases) rated value	20A @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	208 ... 240 V
• at AC at 60 Hz rated value	208 ... 240 V
Apparent pick-up power of magnet coil at AC	600 V·A
Apparent holding power of magnet coil at AC	6 V·A
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	Indoor general purpose use

Mounting/wiring	
Mounting position	Vertical
Mounting type	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 at AWG conductors 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 at AWG conductors 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 at AWG conductors 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

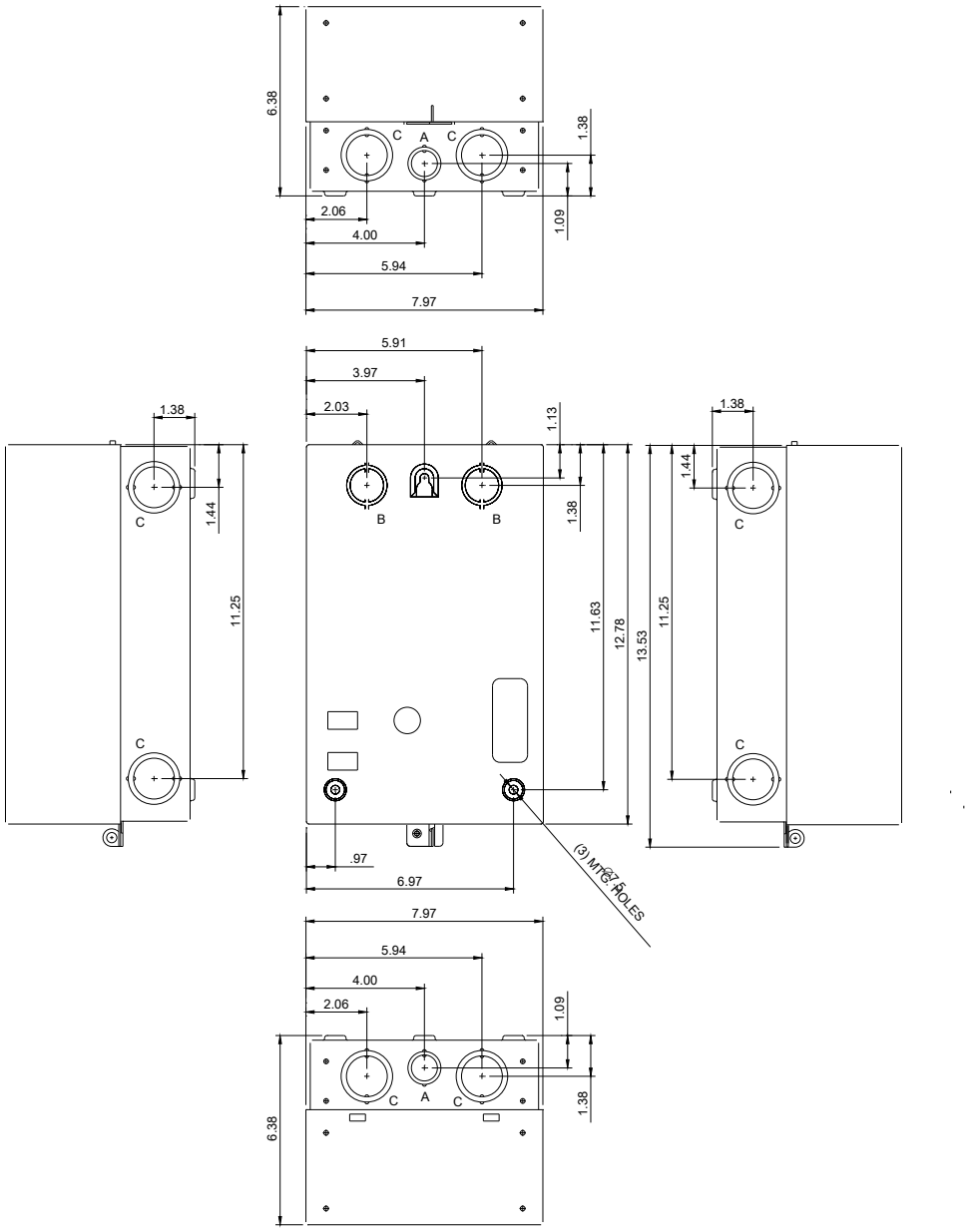
Industrial Controls - Product Overview (Catalogs, Brochures,…)
www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLM1B04208

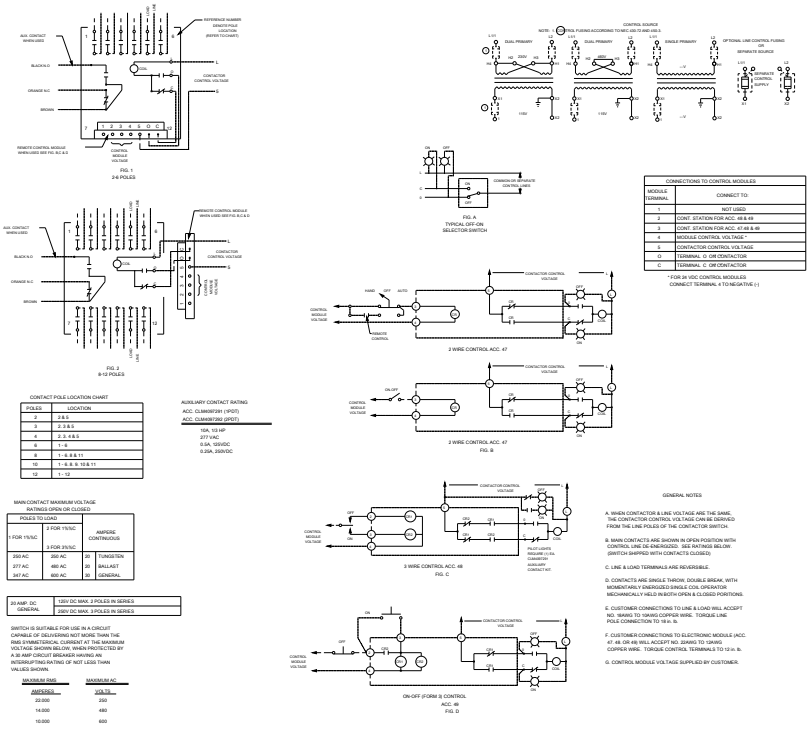
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1B04208

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:CLM1B04208&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:CLM1B04208/certificate



LETTER	KNOCKOUT & CONDUIT SIZE
A	%%C22.2 X %%C28.6 FOR 12.7 & 19 CONDUIT
B	%%C28.6 X %%C34.9 FOR 19 & 25.4 CONDUIT
C	%%C34.9 X %%C43.6 FOR 25.4 & 31.8 CONDUIT



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