

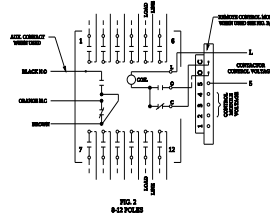
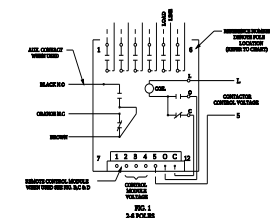
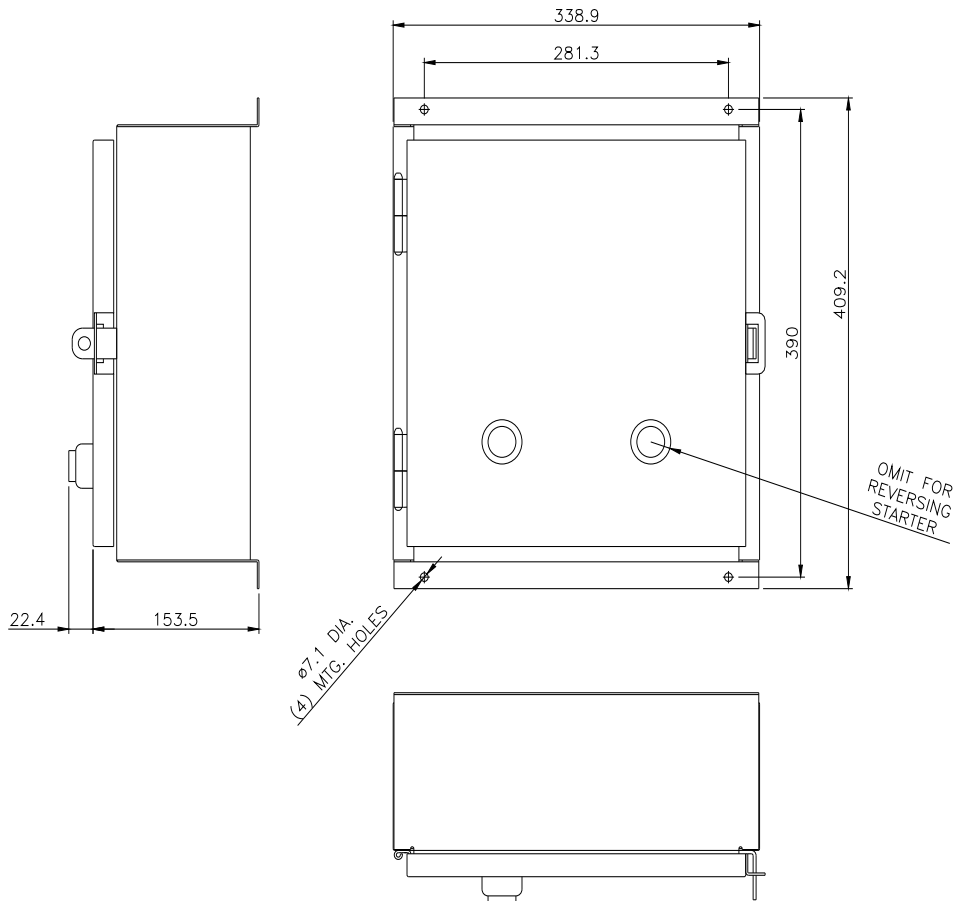


Figure similar

Mechanically held lighting contactor, Contactor amp rating 20Amp 0NC _ 4NO poles, 208-240V 50/60HZ coil, Non-combination type, Encl NEMA type 4X 304 S-steel Water/dust tight noncorrosive

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]	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	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 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
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 at 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 at 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 at 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/ccatalog	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:CLMSB04240	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:CLMSB04240	
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:CLMSB04240&lang=en	
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:CLMSB04240/certificate	



POLES	LOCATION
2	2, 3 & 5
3	2, 3 & 5
4	2, 3, 4 & 5
6	1-6
8	1-6, 8 & 11
10	1-6, 8, 9 & 11
12	1-12

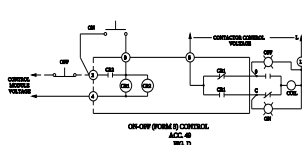
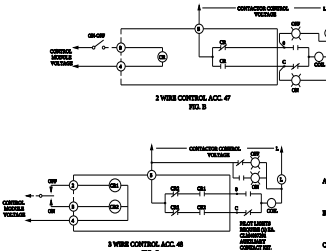
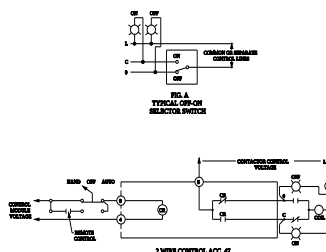
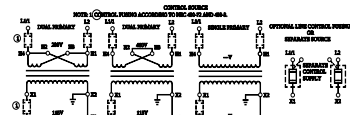
ALTERNATE CONTACT RATINGS
ACC. CLAMPING (100V)
ACC. CLAMPING (200V)
10A, 100V
20A, 200V
50A, 500V

MAIN CONTACT MAXIMUM VOLTAGE BATTERY CIRCUIT OR CLOSED		
POLES TO LOAD	2 POLE 1	AMPERE CIRCUIT BREAKER
200 AC	200 AC	50
277 AC	277 AC	25
480 AC	480 AC	10
600 AC	600 AC	10

10 AMP, DC
GENERAL
200V DC MAX. 3 POLES IN SERIES

SWITCH IS SUITABLE FOR USE IN A CIRCUIT
CAPABLE OF DELIVERING NOT MORE THAN THE
RATED ELECTRICAL CURRENT AT THE MAXIMUM
VOLTAGE SHOWN BELOW. WHEN EXCEEDED BY
A 10 AMP CIRCUIT BREAKER, THE SWITCH IS
DESIGNED TO WITHSTAND THE RATED
VOLTAGE SHOWN.

MAXIMUM TIME	MAXIMUM AC
AMPERES	VOLTS
25,000	250
10,000	400
10,000	600



MODULE TERMINAL	CONNECT TO
1	NOT USED
2	CONTROL STATION FOR ACC. 47 & 48
3	CONTROL STATION FOR ACC. 47 & 48
4	MODULE CONTROL VOLTAGE *
5	CONTRACTOR CONTROL VOLTAGE
6	TERMINAL OF ON CONTACTOR
7	TERMINAL OF OFF CONTACTOR

* FOR 24 VDC CONTROL MODULES
CONNECT TERMINAL 4 TO NEGATIVE (-)

GENERAL NOTES

- VERIFY CONTACTOR & LINE VOLTAGE AND THE MAIN
CONTACTOR CONTROL VOLTAGE CAN BE DERIVED
FROM THE LINE POLS OF THE CONTACTOR INVERTER.
- MAIN CONTACTOR AND INVERTER IN OPEN POSITION WITH
CONTROL LINE IS SHOWN. SEE FIG. 10 BELOW.
(SWITCH SHOWN WITH CONTACTS CLOSED)
- LINE & LOAD TERMINALS ARE REVERSIBLE.
- CONTACTOR AND INVERTER TERMINAL BLOCKS BREAK WITH
MOMENTARILY INCREASED TORQUE COIL OPERATOR
MECHANICALLY HELD IN BOTH OPEN & CLOSED POSITIONS.
- CONTROL CONNECTIONS TO LINE & LOAD WILL ACCEPT
20A, 200V TO 250V, 50/60 HZ, 2-POLE LINE
POLE CONNECTION TO 10A IN.
- CONTROL CONNECTIONS TO ELECTRICITY MODULES (ACC.
47, 48, OR 49) WILL ACCEPT NO. 22 AWG TO 12 AWG
COPPER WIRE, TORQUE CONTROL TERMINALS TO 12 IN.
- CONTROL MODULE VOLTAGE SUPPLIED BY CUSTOMER.

24306100401

last modified:

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