

- Two, three and four pole contactors
- Non-combination type without enclosure
- UL listed file #E14900
- CSA certified file #LR6535

Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	F
110-120/220-240	A
200-208	D
220-240	G
277	L
220-240/440-480	C
440-480	H
575-600	E

Open Type, 3-Phase, 3-Pole

Max Hp Rating				Contactor Amp Rating	NEMA Size (1/2 Size)	Catalog Number
Motor Voltage						
200	230	460	575			
1 1/2	1 1/2	2	2	9	00	40BP32A*
3	3	5	5	18	0	40CP32A*
7 1/2	7 1/2	10	10	27	1	40DP32A*
10	10	15	15	40	(1 3/4)	40EP32A*
10	15	25	25	45	2	40FP32A*
15	20	30	30	60	(2 1/2)	40GP32A*
25	30	50	50	90	3	40HP32A*
30	40	75	75	115	(3 1/2)	40IP32A*
40	50	100	100	135	4	40JG32A*
75	100	200	200	270	5 [A]	40LP32A*
150	200	400	400	540	6 [A]	40MP32A*
—	300	600	600	810	7 [A,B]	40NH32A*
—	450	900	900	1215	8 [A,C]	40PH32A*

Open Type, Single Phase, 2-Pole [D]

Max HP		Contactor Amp Rating	NEMA Size (1/2 Size)	Catalog Number
Motor Voltage				
115	208/230			
1/3	1	9	00	40BP12A*
1	2	18	0	40CP12A*
2	3	27	1	40DP12A*
3	5	35	1P	40EP12A*
3	7 1/2	45	2	40FP12A*
5	10	60	(2 1/2)	40GP12A*
7 1/3	15	90	3	40HP12A*
—	—	115	(3 1/2)	40IP12A*
—	—	135	4	40JG12A*

Open Type, 3-Phase, 4-Pole

Max Hp Rating				Contactor Amp Rating	NEMA Size (1/2 Size)	Catalog Number
Motor Voltage						
200	230	460	575			
1/3	1 1/2	2	2	9	00	40BP22A*
2	3	5	5	18	0	40CP22A*
3	7 1/2	10	10	27	1	40DP22A*
5	10	15	15	40	(1 3/4)	40EP22A*

Short Circuit Current Ratings

Fuses

Size	600V Max	600V Max
00 - 4	10kA (Class H or K)	100kA (Class R or J)
5	14kA (Class H or K)	100kA (Class R or J)
6	18kA (Class H or K)	100kA (Class R or J)
7	NA	82kA (Class R or L)
8	NA	85kA (Class R or L)

Thermal Magnetic Circuit Breaker

Size	240V Max	600V Max
00 - 3	14kA	10kA
3 1/2 - 4	10kA	10kA
5	14kA	14kA
6	18kA	18kA
7 & 8	NA	NA

Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.

[A] Dual voltage coils not available in size 5 - 8 starters.

[B] Available with only F and H coils.

[C] Available with only F coil.

[D] Coils E, H and L not available in single phase starters.

Description	Catalog No.
Start, Stop Push Buttons	49SAPB5
Hand-Off-Auto Selector Switch	49SASB1
Off-On Selector Switch	49SASB4
1 NO Aux Contact for Starter Sizes 00 - 4	49AB10
1 NC Aux Contact for Starter Sizes 00 - 4	49AB01
1 NO & 1 NC Aux Contact for Starter Sizes 00 - 4	49AB11

Dimensional Drawings

(Refer to dimension table on page 3.)

Figure 1

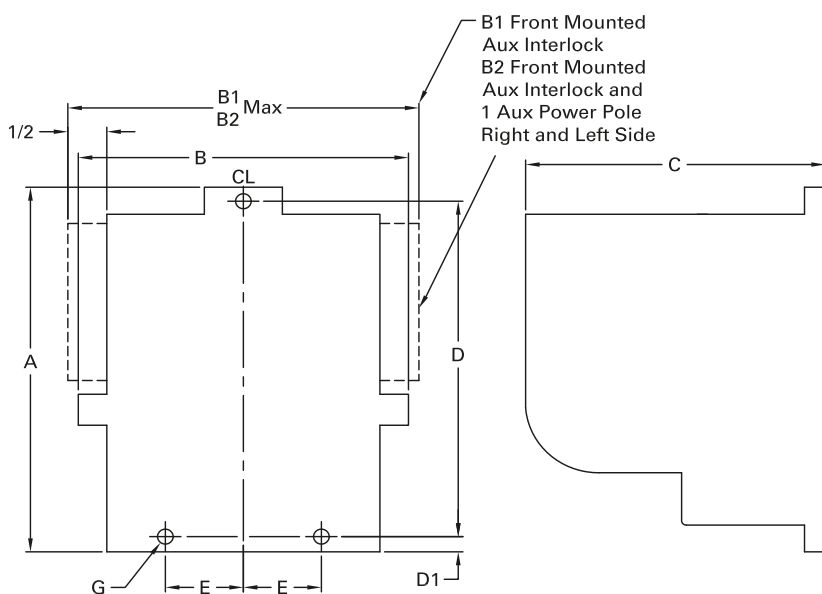


Figure 2

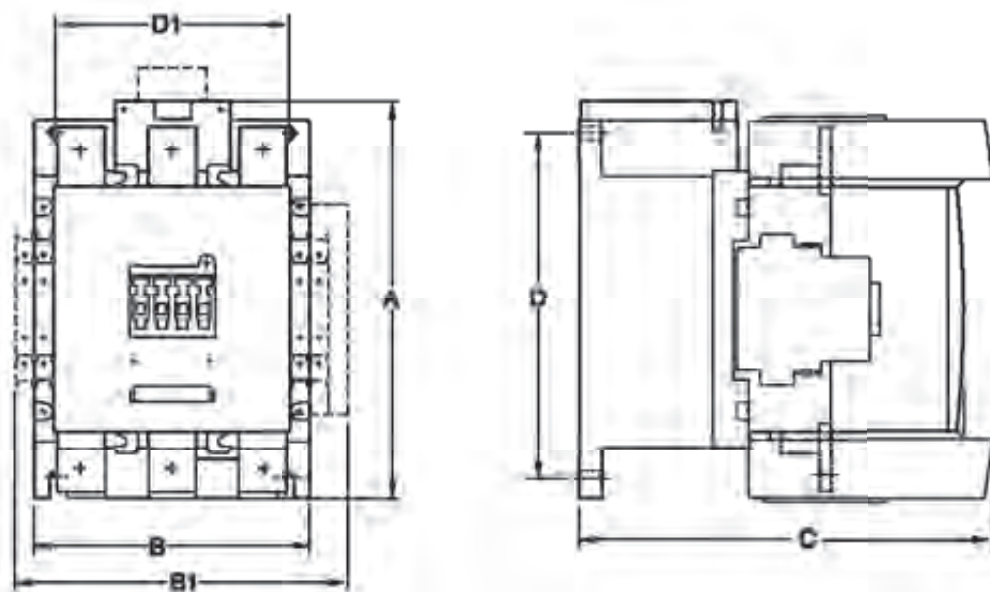


Figure 3

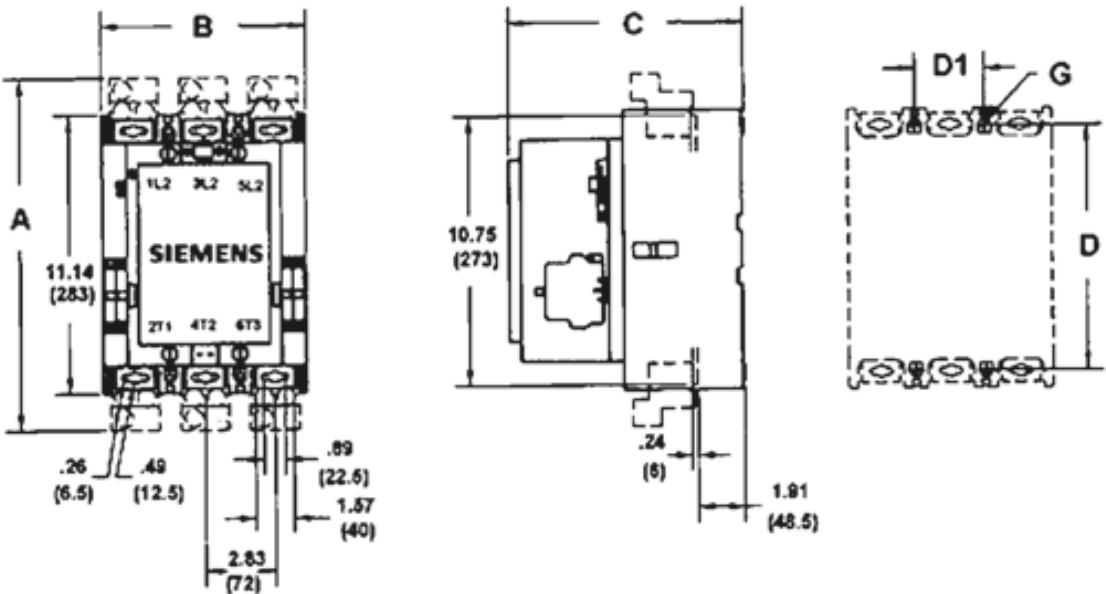
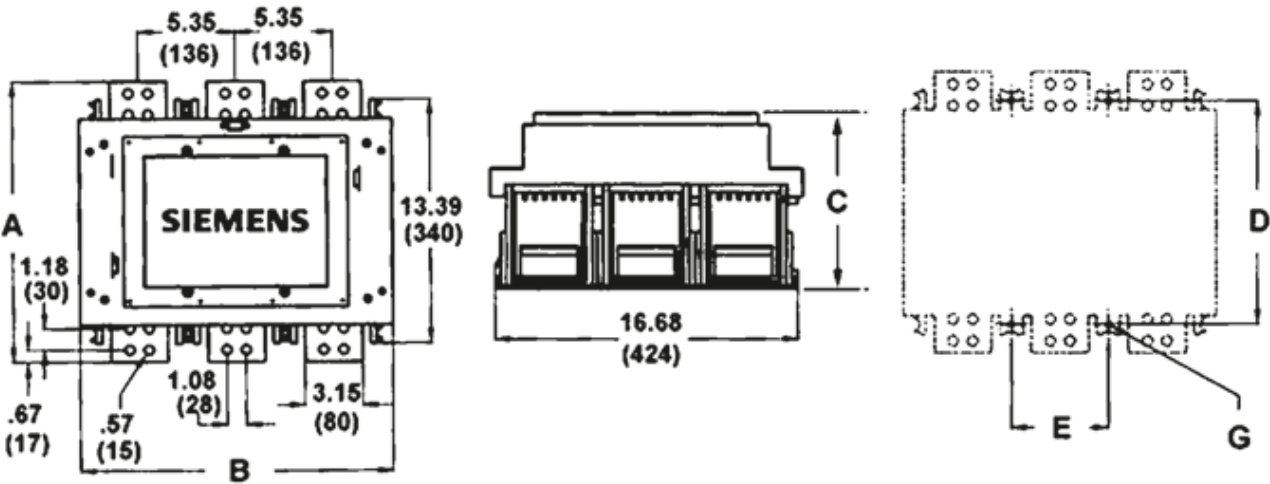
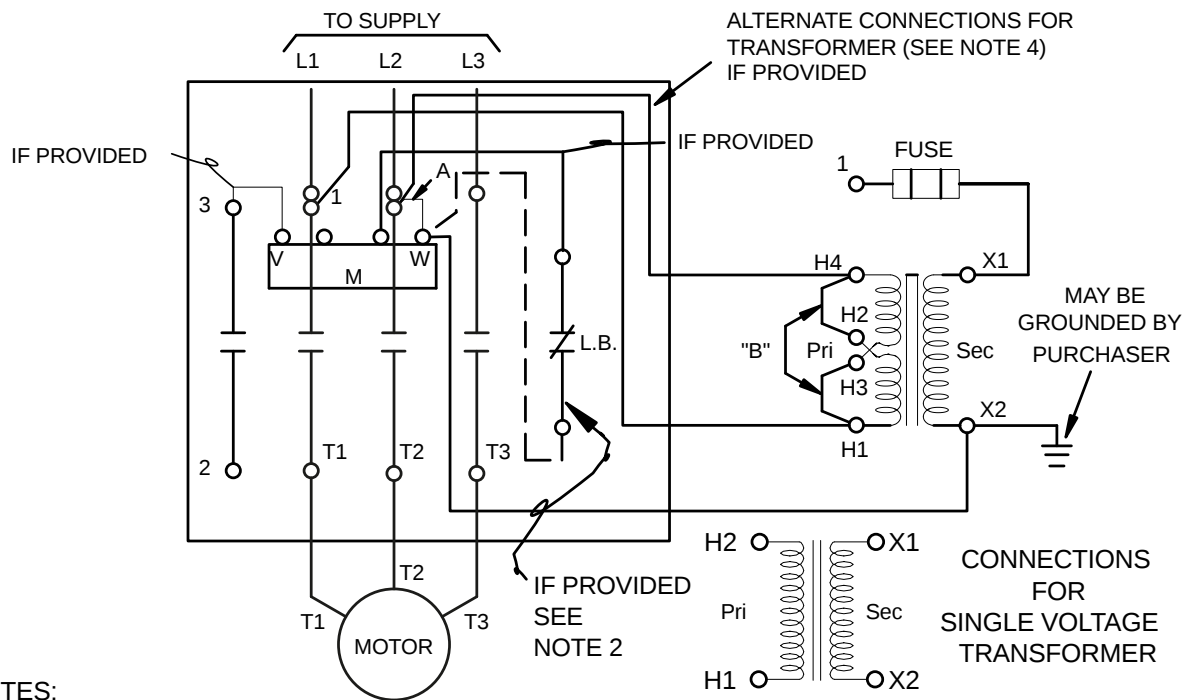


Figure 4



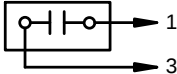
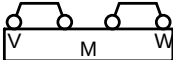
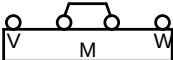
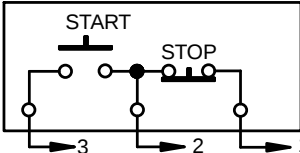
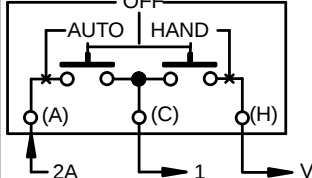
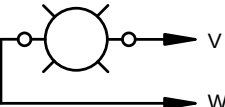
Size	Fig.	Outline Dimensions					Mounting Dim.			
		A	B	B1	B2	C	D	D1	E	G [1]
00-1 3/4	1	4.31	3.94	4.25	4.75	3.75	3.94	0.19	1.00	#10
2-2 1/2	1	4.88	3.94	4.25	—	4.00	4.50	0.19	1.00	#10
3-3 1/2	1	6.13	5.13	5.50	—	5.06	5.63	0.25	0.75	0.25
4	1	7.81	5.19	5.50	—	5.75	6.56	0.81	0.75	0.50
5	2	8.27	5.71	6.89	—	8.54	7.09	4.72	—	0.35
6	2	8.43	6.30	7.48	—	9.29	7.09	5.12	—	0.35
7	3	14.05	8.27	—	—	9.53	9.80	2.83	—	0.25
8	4	15.41	17.23	—	—	10.56	12.28	—	5.35	0.35

[1] G designates mounting screw size.
Dimensions are in inches.



NOTES:

1. A MAXIMUM OF 8 NO OR 4 NC AUXILIARY CONTACTS MAY BE SUPPLIED AS REQUIRED.
2. FOR SEPARATE CONTROL VOLTAGE SOURCE REMOVE JUMPER "A" AND CONTROL WIRE FROM "1" ON CONTACTOR. CONNECT SOURCE TO "1" ON CONTROL DEVICE AND "W" ON FOR COIL.
3. FOR PROTECTION OF CONTROL CIRCUIT CONDUCTORS IN ACCORDANCE WITH THE N.E.C. AND C.E.C USE FUSE KIT 49MAFH2.
4. TRANSFORMER CONNECTIONS ARE FOR LOWER PRIMARY VOLTAGE. REMOVE JUMPERS "B" AND CONNECT "H2" TO "H3" FOR HIGHER PRIMARY VOLTAGE.

GROUND LUG KIT MEETS CSA STANDARD 22.2 NO. 14		CONNECTIONS FOR REMOTE TWO WIRE CONTROL 	DUAL VOLTAGE COIL CONNECTIONS																																												
GROUND WIRE RANGE 2-14 AL-CU	KIT NUMBER		 LOW VOLTAGE	 HIGH VOLTAGE																																											
2 CONDUCTOR 3 CONDUCTOR	49D28179001 49D28180001																																														
POWER TERMINAL WIRING			<table><tr><td colspan="2">ALTERNATE POWER SYSTEM →</td><td colspan="3">SINGLE PHASE</td><td colspan="4">TWO PHASE FOUR WIRE</td></tr><tr><td colspan="2">LINE CONNECTIONS</td><td>L1</td><td>L2</td><td></td><td>L1</td><td>L2</td><td>L3</td><td>L4</td></tr><tr><td rowspan="2">STARTER TERMINALS</td><td>LINE</td><td>L1</td><td>L2</td><td>L3</td><td>L1</td><td>L2</td><td>L3</td><td rowspan="2">NOTE BELOW</td></tr><tr><td>LOAD</td><td>T1</td><td>T2</td><td>T3</td><td>T1</td><td>T2</td><td>T3</td></tr><tr><td colspan="2">LOAD CONNECTIONS</td><td>T1</td><td>T2</td><td></td><td>T1</td><td>T2</td><td>T4</td><td>T4</td></tr></table> NOTE: TWO PHASE FOUR WIRE SYSTEMS REQUIRE ADDITION OF POWER POLE KIT 49SAFO FOR BREAKING ALL LINES. (SIZES 00 THRU 1 3/4 ONLY)		ALTERNATE POWER SYSTEM →		SINGLE PHASE			TWO PHASE FOUR WIRE				LINE CONNECTIONS		L1	L2		L1	L2	L3	L4	STARTER TERMINALS	LINE	L1	L2	L3	L1	L2	L3	NOTE BELOW	LOAD	T1	T2	T3	T1	T2	T3	LOAD CONNECTIONS		T1	T2		T1	T2	T4	T4
ALTERNATE POWER SYSTEM →		SINGLE PHASE			TWO PHASE FOUR WIRE																																										
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	LOAD	T1			T2	T3	T1	T2	T3																																						
LOAD CONNECTIONS		T1			T2		T1	T2	T4	T4																																					
SIZE	TORQUE (Lb-in)	WIRE (Cu only)																																													
00-0	20	60/75°C																																													
1	35	60/75°C																																													
1 3/4-2 1/2	45	60/75°C																																													
3 - 3 1/2	120	75°C																																													
4	200	75°C																																													
CONNECTIONS FOR BUILT-IN PUSHBUTTONS SWITCH 		CONNECTIONS FOR SELECTOR SWITCH 		CONNECTIONS FOR PILOT LIGHT (IF REQUIRED) 																																											
				CONNECTIONS FOR REMOTE AUTOMATIC SWITCH USED WITH SELECTOR 