

Instructions For A/200 Contactor, NEMA Size 3, 4 For 2, 3, 4 and 5 Poles



I.L. 13238-C
File 8200

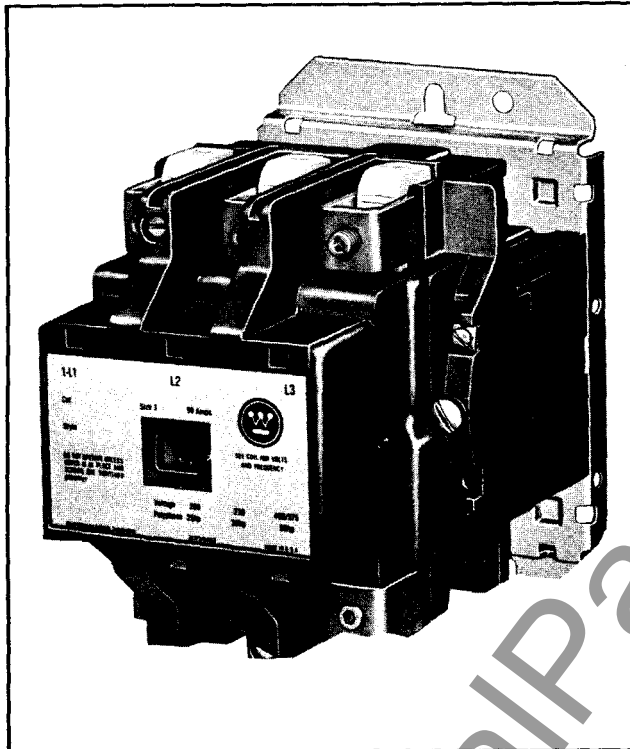


Figure 1 - A/200 Contactor, NEMA Size 3

The Westinghouse A/200 Contactor has been designed to be applicable as the control for motor load circuits, resistance loads, interconnections of multi-speed motor windings, utilizing main pole combinations of 2, 3, 4 and 5 poles.

The contactor, see Figure 1, has been designed in a layer form to make maximum use of the space it occupies. The main contacts, of copper alloy construction, with silver alloy contact buttons, are located at the front of the unit, for ease of inspection and for front accessibility of the Line and Load terminals. Straight thru wiring is featured for simplicity of design and maintenance. See Figure 2 for Wiring Diagrams.

Pressure-type connectors provided on main and control terminals to permit use of either solid and stranded wire without soldered joints.

The molded structure supporting the main contacts and terminals is a track resistant material to insure against di-electric breakdown.

MOTOR RATINGS ^①				
Volts	Size	Rating Amps Tungsten Lamp Load	Continuous Current Rating Amps	Horsepower Ratings Polyphase
200	3	60	90	25 hp
	4	120	135	40 hp
230	3	60	90	30 hp
	4	120	135	50 hp
460/ 575	3	60	90	50 hp
	4	120	135	100 hp

COIL VOLT - AMP DATA 60 CYCLE PER SECOND					
Volts	Size	2 and 3 Pole		4 and 5 Pole	
		Open VA	Closed VA	Open VA	Closed VA
110	3	625	50	825	75
	4	625	50	825	75
220	3	625	50	825	75
	4	625	50	825	75
440	3	625	50	825	75
	4	625	50	825	75
600	3	625	50	825	75
	4	625	50	825	75

The magnet actuator is located behind the contacts, and is supported by damping pads to insure long operating life.

The U-I magnet assembly has a built in permanent air gap which prevents residual magnetic sticking.

L-56 replacement interlocks provide universal poles (Normally Open and Normally Closed) as standard. See Figure 3.

START AND STOP PUSHBUTTON UNITS

These units are supplied separately.

① Changed since previous issue.

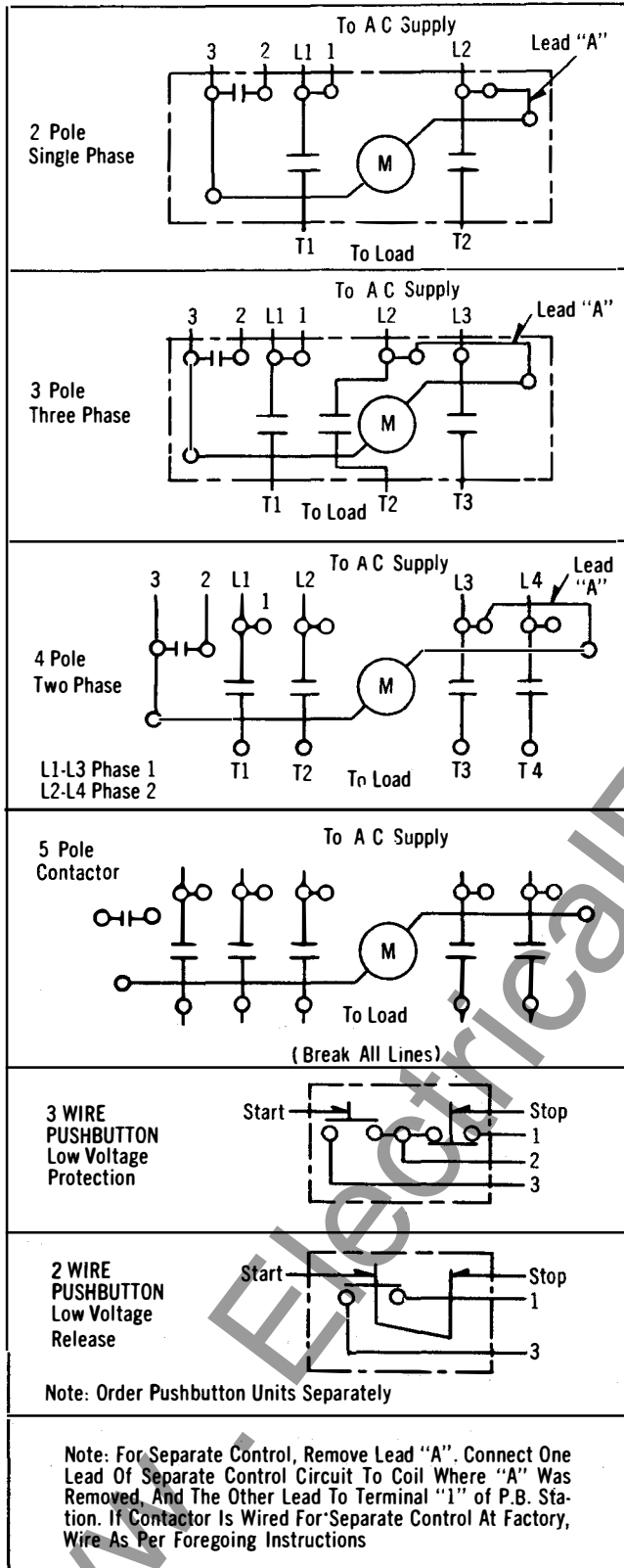


Figure 2 - Wiring Diagrams

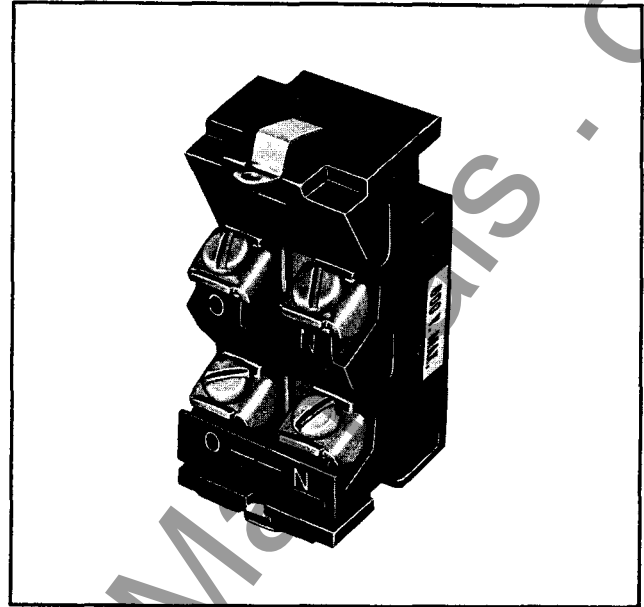


Figure 3 - L-56 Electrical Interlock

MAINTENANCE

First Turn Off Power

To Inspect Contacts

Loosen the two arc box assembly screws (7) located immediately above and below the nameplate, see Figure 5, and remove arc box (6). Contacts are visible.

To Replace Contacts

After removing arc box (6), and having replacement contacts at hand, remove the moving contact carrier (5) by compressing the overtravel spring (10) and displacing carrier from crossbar (11). Stationary contact carriers (4) are removed by removing the retaining screw and lifting out the carrier.

To replace contact carriers, reverse above procedure, making sure that stationary carriers (4) are secure, moving carriers (5) are free to move, overtravel springs (10) are seated and crossbar (11) moves freely when arc box (6) is in position.

The silver-cadmium oxide contact buttons need *no* dressing or lubricant throughout their life.

IMPORTANT: Replace all contacts as a group to avoid misalignment.

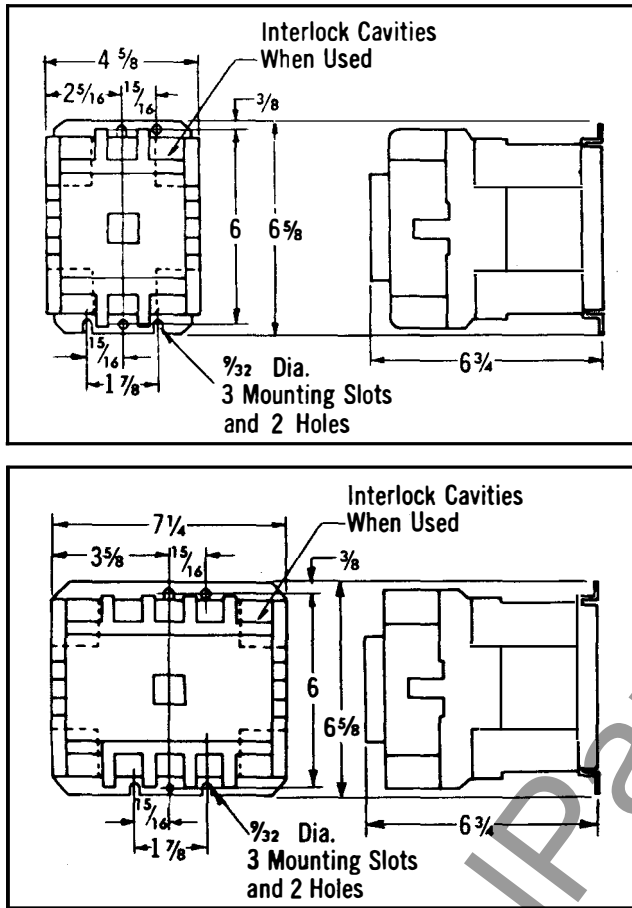


Figure 4 - Dimension Drawings

To Replace the Coil

Loosen the assembly screws (8) Figure 5 located to the immediate left and right of the arc box (6).

Pull loosened upper base structure forward. Pull coil (1) from the upper base, plug in new coil, replace upper base structure and check interlocks for secureness when repositioning upper base.

Tighten assembly screws (8).

Renewal Parts		
Contract Carrier Kit		
Pole Combination	Style Number	
	Size 3	Size 4
2 Pole	626B187G12	626B187G16
3 Pole	626B187G13	626B187G17
4 Pole	626B187G14	626B187G18
5 Pole	626B187G15	626B187G19
L-56 Electrical Interlock One Universal Interlock (NO NC poles) S#503C782G01.		
Coil		
Order by style number, voltage and frequency.		

Magnet - Armature Assembly

Self-alignment and permanent air gap features of the magnet-armature make replacement maintenance unnecessary. Mating pole face surfaces should be kept clean.

CONTACTOR IDENTIFICATION

The A/200 Contactor complete identified for ordering by:

Cat. No. (shown on carton and in catalog).

The coil style number, voltage, and frequency rating is marked on the side of the coil

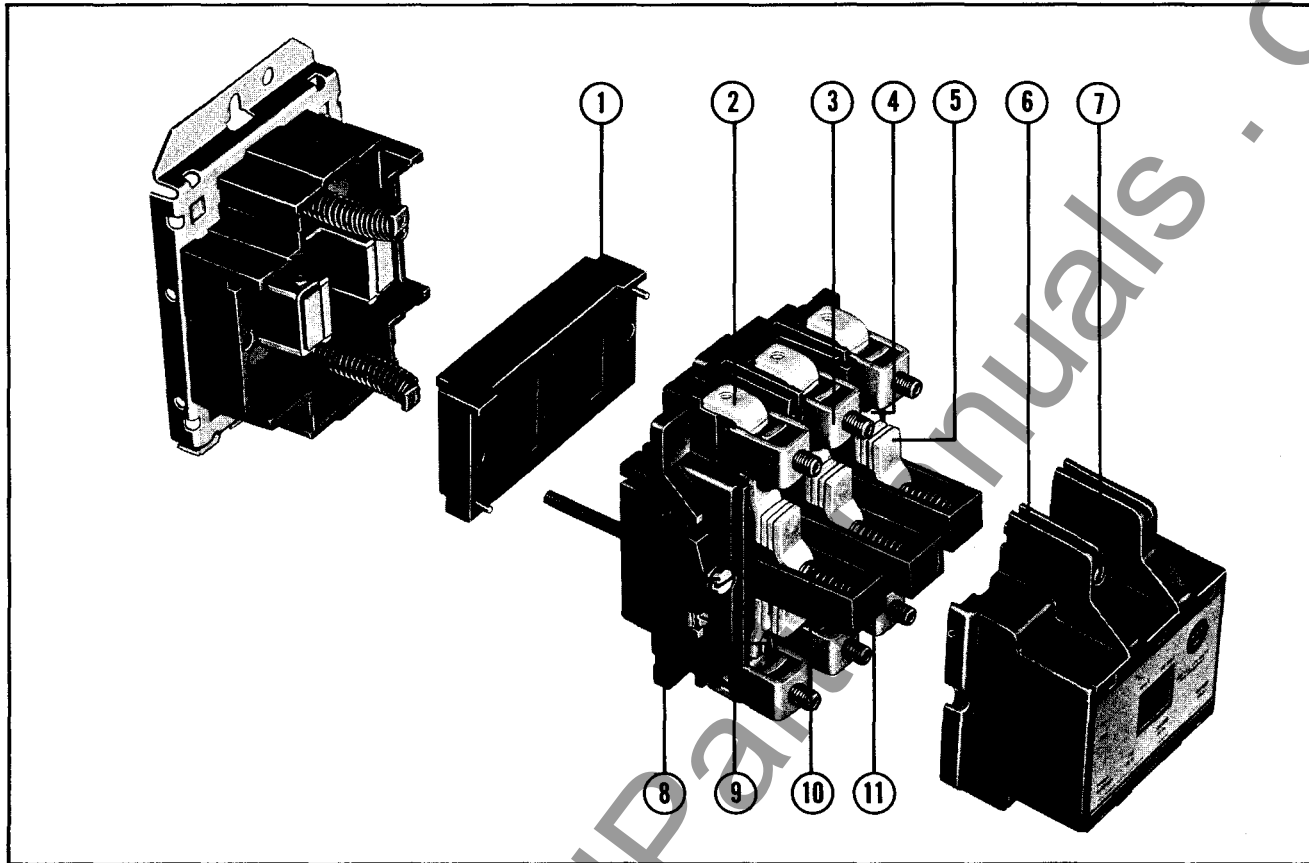


Figure 5 - Contactor Assembly