

Instructions for Type L64 Auxiliary Contacts

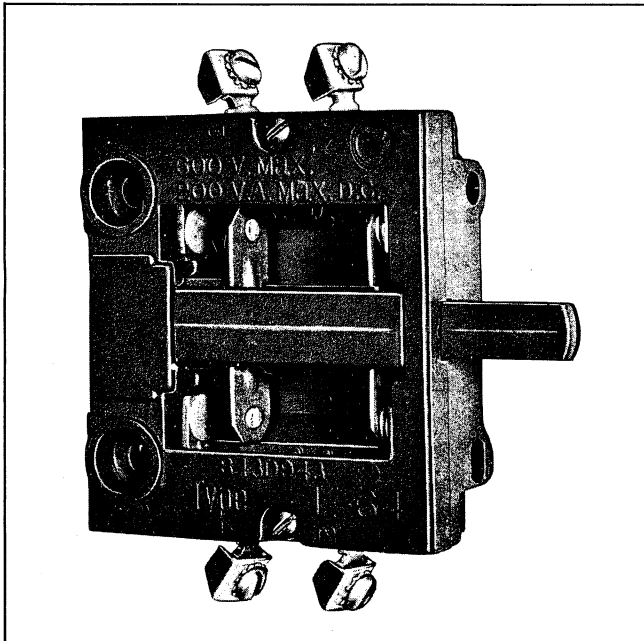


Fig. 1 Type L64 Auxiliary Contacts, One Normally Open and One Normally Closed

L64 AUXILIARY CONTACTS

Type L64 Auxiliary Contacts (often called Electrical Interlocks) have the ability to make and carry 10 amperes per pole at DC voltages between 24 and 600, and interrupt (break) inductive loads of not more than 200 VA at not more than 600 VDC. The AC ratings of the L64 auxiliaries are shown in Table I.

Type L64 auxiliaries can be mounted on Type LF and

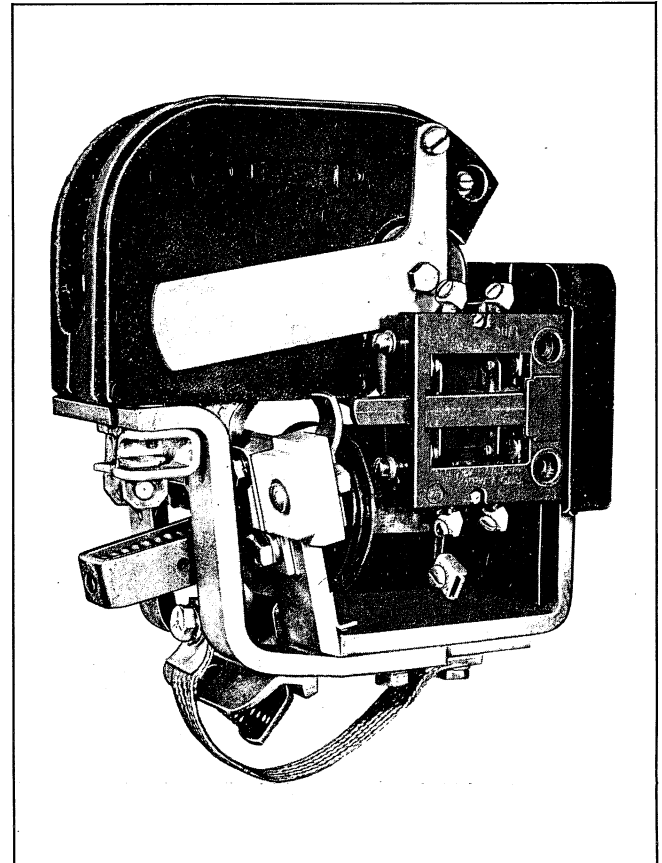


Fig. 2 L64 Auxiliary Contact installed on a Type Type MD 510 Contactor

Type SJ medium voltage contactors, Type M and Type MD low voltage DC contactors, and on similar contactors. When used with the latter, additional mounting and operating hardware is required as shown in Table II.

Each L64 auxiliary contact assembly includes two circuits, either one normally-open (NO) contact and one normally-closed (NC) contact, or two normally-open (NO) contacts, or two normally-closed (NC) contacts. See Table II.

TABLE I — AC RATINGS (A600)			
Voltage	Make	Break	Carry
120-600VAC	7200VA	720VA	6A
72-120VAC	60A	720VA	6A
24-72VAC	60A	10A	10A

TABLE II — AUXILIARY CONTACT PART NUMBERS							
For Type M or MD Contactors, order each set of auxiliary contacts as two components, the auxiliary contact assembly plus the mounting and operating hardware.							
Auxiliary Contact Arrangement	Auxiliary Contact Assembly Part Number	Plus:	Mounting and Operating Hardware Part Number				
			For Contactor Type — M or MD:				
			<u>501</u> 510	<u>601</u> 610	<u>701</u> 710	<u>810</u> 810-R	<u>910</u>
1NO-1NC	843D943G04						
2 NO	843D943G05		2087A63G01	2087A63G02	2087A63G02	2087A63G05	2087A63G06
2 NC	843D943G06		2087A63G4	2087A63G17	2087A63G17	2087A63G05	

TYPE L64 AUXILIARY CONTACTS

I.L. 15-829-7B

INSTALLATION

This industrial type control is designed to be installed, operated, and maintained by adequately trained workmen. These instructions do not cover all details, variations, or combinations of the equipment, its storage, delivery, installation, check-out, safe operation, or maintenance. Care must be exercised to comply with local, state, and national regulations, as well as safety practices, for this class of equipment.

Type L64 auxiliary contact terminals may be bent or twisted for wiring convenience as shown in Figures 2 and 6.

Installation on Type M Contactor — The auxiliary contact assembly mounts on the base of the contactor by means of two screws. The operating finger is carried by an insulation block, which is bolted to the armature plate of the contactor, as shown in Figure 3.

When used with Type M-810, M-810R, and M-910 contactors, the L64 is mounted on an angle bracket as shown in Figure 4. When replacing the Type L61 auxiliary on Types M-810, M-810R or M-910 contactors it is

necessary to drill and tap the mounting bracket as shown in Figure 5.

When an auxiliary contact and its operating finger are first mounted on the contactor, it may be necessary to adjust the parts to produce normal travels. This is accomplished by bending the operating finger to produce 3/8 inch total movement of the pushrod. (See Figure 3) The result should be 3/32 inch overtravel of the pushrod beyond the point at which the normally open contacts touch.

Installation on Type SJ or Type LF Contactor — The auxiliary contact assembly mounts on a separate base which has its own operating arm actuated by the contactor magnet. (See Figure 6) Travel adjustment is made by means of adjusting screws on the operating arm.

MAINTENANCE

A periodic inspection should be made to see that the parts move freely without excessive friction or binding. **Do not oil** auxiliary contact parts.

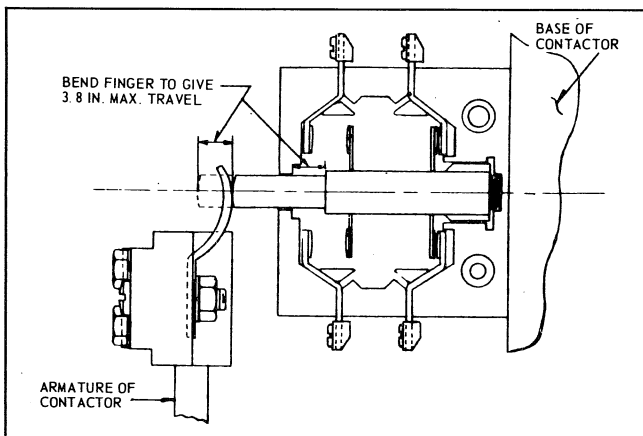


Fig. 3 L64 Auxiliary Contacts with cover removed on Type M Contactors, Sizes 5 to 7

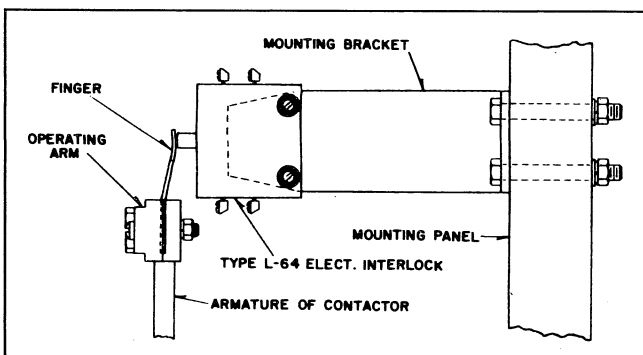


Fig. 4 Type L64 Auxiliary Contact Mounting on Contactors M-810, M-810R and M-910

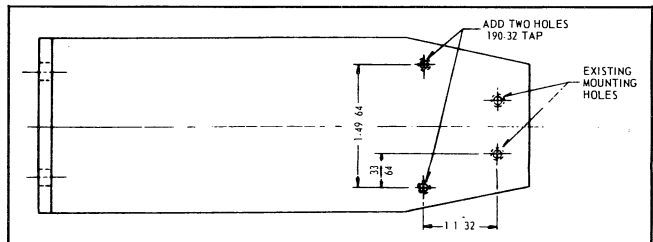


Fig. 5 Mounting bracket drill plan when replacing Type L61 Auxiliary with Type L64 on Types M-810 and M-910 Contactors

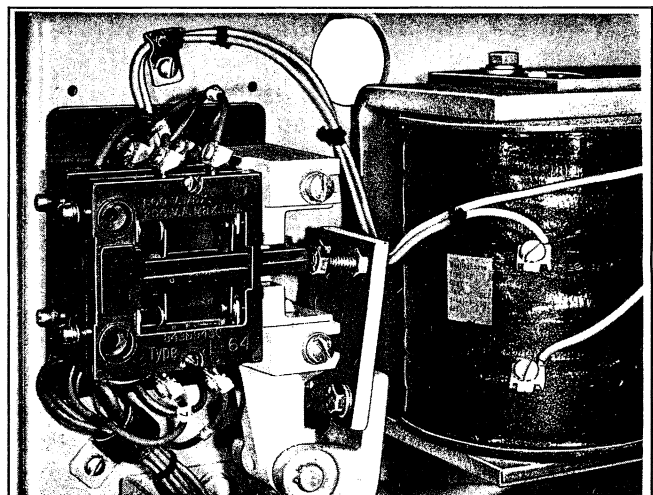


Fig. 6 Type L64 Auxiliary Contact on Type LF Contactor

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