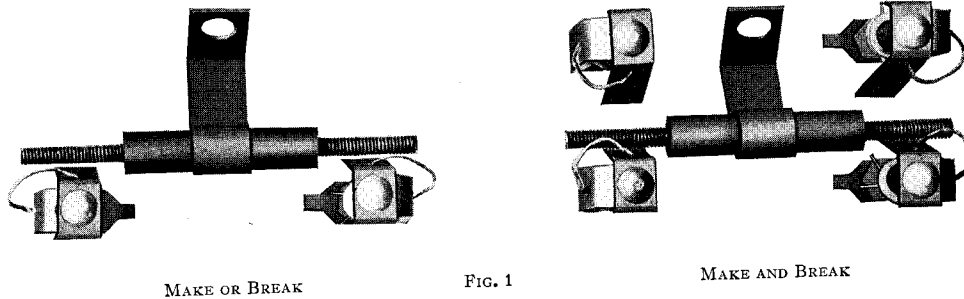


TYPE L-7 ELECTRICAL INTERLOCKS

For Alternating and Direct Current
Make, Break and Make and Break

INSTRUCTIONS



Description

The type L-7 electrical interlock is an auxiliary contacting device which depends for its operation on some other moving member, usually a magnetic contactor. The moving member is a bridging contact attached, as a rule, to the armature lever. The types generally used have the moving contact cross bar insulated from the contactor for 600 volts. It is, however, available with the cross bar uninsulated from the contactor, in which case the interlock provides a double interlock using the contactor frame as a common point.

The types available are as follows:

Single Pole Insulated:

- Double make
- Double break
- Double make and break

Single Pole Uninsulated:

- Double make
- Double break
- Double make and break

The interlocks are all provided with studs for mounting on panels 2" thick or less.

Rating:

The interlock is rated for 1 ampere continuous on control circuits up to 600 volts and will successfully break 15 amperes peak load on alternating current.

Application:

The type L-7 interlock has been designed for the magnetic contactors of less than 150 amperes rating, where a small interlock is required which does not take much space in mounting nor does it take very much energy to operate.

Contact Tips:

The stationary contact tips are two copper strips working against springs, which are assembled to the stationary contact support. The moving contact bar is a stud usually attached to the armature with a clip, and is either insulated or uninsulated as the requirements may demand.

The motion of the interlock has a slight wiping action which insures a clean low resistance contact area. The steel compression spring on the stationary contact gives positive and sufficient

contact pressure up to the maximum life of the tips.

Shunt:

The stationary contact support and contact piece is connected with a flexible braided copper cable which gives complete freedom to the parts and has ample capacity to withstand the maximum current for which it is rated.

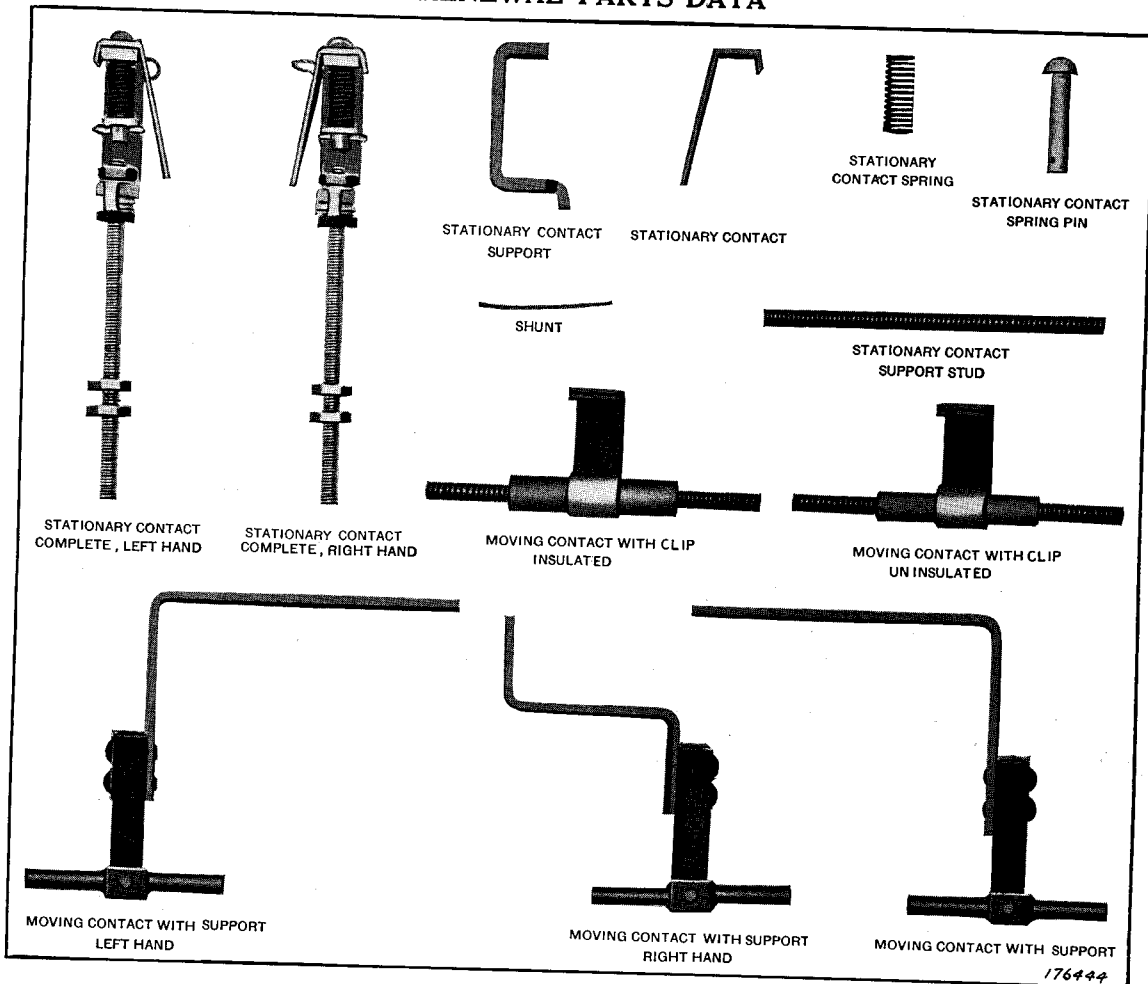
Maintenance

1. Oil should not be used on any parts of the interlock. Oil collects dust and unless the parts are frequently cleaned, may cause unnecessary arcing and burning of the tips.
2. Contacting points should be examined to see that they are clean and making good contact at all times.
3. Examine the shunts to see that they are not broken.
4. Examine the clip which holds the cross bar to the operating member to see that it is tight and is not free to get out of alignment with stationary contacts.

*To be filed as an Instruction Leaflet and as Renewal Parts Data; for Renewal Parts, see reverse side of this sheet.

TYPE L-7 ELECTRICAL INTERLOCKS

RENEWAL PARTS DATA



RECOMMENDED STOCK OF RENEWAL PARTS

COMPLETE INTERLOCK STYLE NUMBERS

Name of Part	Interlocks in use up to and Including		Style No. of Part	Interlock Complete Style No.	Moving Contact with Clip or Support Style No.	Interlock Complete Style No.	Moving Contact with Clip or Support Style No.	Interlock Complete Style No.	Moving Contact with Clip or Support Style No.	Interlock Complete Style No.	Moving Contact with Clip or Support Style No.	
	1	5										
Stationary Contact Complete—L.H.	1 (x)	0	1	831 387	°422 525.A	484 976	†512 098	514 319	°514 720	514 319	°557 483.A	507 647
Stationary Contact Complete—R.H.	1 (x)	0	1	831 388	†424 701.A	484 976	†512 099	507 647	°514 721	507 647	†780 923	507 647
Stationary Contact Support	2 (x)	0	0	422 528	†424 702	429 751	†512 100	429 751	†514 722	507 647	†790 514	507 647
Stationary Contact	2 (x)	2	4	809 443	†424 703	429 751	†512 101	429 751	°514 745	515 227	†790 515	507 647
Stationary Contact Spring	2 (x)	0	1	422 530	°424 704	429 750	°512 102	514 319	°515 216	521 028	†790 516	507 647
Stationary Contact Spring Pin	2 (x)	0	0	505 282	°424 705	429 750	°512 103.A	514 319	°515 217	515 028	†831 380	831 378
Shunt— $\frac{3}{4}$ " of 150".002 Bare Cop- per Cable #1635	2 (x)	0	1	...	°424 706	429 751	°512 104	514 320	°515 218	521 029	†831 381	831 379
Stationary Contact Support Stud	2 (x)	0	0	361 706	°429 756	429 751	°512 105	507 647	°517 957	543 523	†831 383	831 385
Moving Contact with Clip or Support	1	0	1	+	°437 186	437 184	°512 491.A	429 751	°517 958	543 523	†831 384	831 386
					°437 187	437 185	°514 718.A	514 319	°517 958.A,B	825 431	†875 840	429 750
					°480 532	437 184	†514 719	514 319	°557 482	429 751	†883 524	831 386

(x) Number per Interlock is shown for Make or Break Interlocks.
 Make and Break Interlocks require twice this amount.
 + See Interlock Style Number Table for Style Number.
 Parts indented are included in the part under which they are indented.

This is a list of the Renewal Parts and the quantities of each that we recommend should be stocked by the user of this apparatus to minimize service interruptions caused by breakdowns. The parts recommended are those most subject to wear in normal operation, or to damage or breakage due to possible abnormal conditions.

This list of Renewal Parts is given only as a guide. When continuous operation is a primary consideration, additional insurance against shutdowns is desirable. Under such conditions more renewal parts stock should be carried, considering the severity of the service and the time required to secure replacements.

ORDERING INSTRUCTIONS

Name the part and give its style number. Give the complete name plate reading. State whether shipment is desired by express, freight or by parcel post. Send all orders or correspondence to nearest Sales Office of the Company. Small orders should be combined so as to amount to a value of at least \$1.00 net; where the total of the sale is less than this, the material will be invoiced at \$1.00.

*To be filed as Renewal Parts Data and as an Instruction Leaflet; for Instructions, see reverse side of this sheet.