



DESCRIPTION • OPERATION • MAINTENANCE INSTRUCTIONS

*Life-Line*contactor* **TYPE N-050**

Class 15-825N.0

5 Pole, Size 0

TYPE N-050, LIFE-LINECONTACTOR*, 5-pole, Size 0 has been designed to be applicable to motor circuit loads, interconnections of multi-speed motor windings, etc. NEMA standard mounting dimensions have been met in the design of this contactor; Size 0, Type N, 2, 3, 4 and 5-pole contactors have identical mounting dimensions. Up to four electrical interlocks (See **ELECTRICAL INTERLOCKS**) may be mounted on each contactor depending upon circuit requirements. The contactor is complete with Line, Load and Control Terminals, **STRAIGHT-THRU** main wiring, and one normally open electrical interlock. (See Fig. 1).

For more involved controls, the user may frequently apply several contactors with interconnections to meet his particular requirements. Thus, to obtain maximum application flexibility for the user, terminal marking and control wiring have been omitted from this contactor.

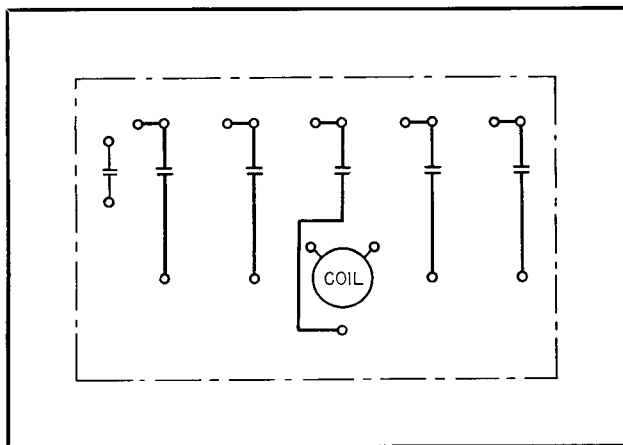


FIG. 1. Symbolic Outline of 5-Pole Contactor

Note: A 5-pole contactor mechanically interlocked with a 3-pole contactor will provide a compact unit for use on two speed, single winding motors, reduced voltage auto-transformer starting, and similar circuit requirements. This unit will be furnished as a standard device consisting of the 5-pole and 3-pole contactor mechanically interlocked as an integral assembly.

MAXIMUM A-C. RATINGS

Open—15 Amperes	Enclosed—13½ Amperes
Volts	HORSEPOWER
	Polyphase
110	1½
208-220	2
440-600	2

CONSTRUCTION

The Type N-050, 5-pole contactor is an inverted clapper type with knife-edge bearing and having positive action through the use of a compression kick-out spring. This construction provides maximum accessibility for servicing and maintenance and allows coil change to be a simple operation. All current carrying parts are of high conductivity copper or copper alloy of large cross section resulting in high electrical efficiency. Long life and low contact drop are assured by fine silver contacts with large area of bond for current conduction and heat transfer.

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

INSTALLATION

1. Clean the magnet surfaces.
2. Operate the armature by hand to be sure that all parts move freely.
3. Below the top mounting hole in the contactor backplate an opening is provided for the purpose of supporting the weight of the contactor during installation if the customer wishes to provide a peg or shoulder pin on the mounting surface for this purpose.

ELECTRICAL INTERLOCKS

This contactor comes equipped with one normally open interlock. By removing this interlock, shown in Fig. 2, and reassembling parts 1, 2 and 3 per Fig. 3, the interlock is changed from normally open to normally closed contact. The change is simplified by first placing the contactor in the normal vertical operating position and by proceeding as follows:

