

# Instruction Bulletin

Replaces 30072-013-33 dated 10/94

## Auxiliary Contact Kit Class 9999 Type AC04

### INTRODUCTION

The Class 9999 Type AC04 auxiliary contact kit is used with MOTOR LOGIC™ solid-state overload relays (Class 9065 Types SS, SF, SR, and ST). This auxiliary contact, which can be installed as normally-open (N.O.) or normally-closed (N.C.), is isolated from the solid-state overload relay trip contact.

### INSTALLATION

#### **⚠ DANGER**

##### **HAZARDOUS VOLTAGE**

Disconnect all power before working on equipment.

**Electric shock will result in death or serious injury.**

To install the auxiliary contact on the solid-state overload relay:

1. Disconnect all power from the overload relay.
2. Remove the wires from terminals 95 and 96.
3. Remove the black label from the overload relay auxiliary contact socket.
4. To install the contact (see Figure 1):

**N.O. operation:** Press the overload relay *reset* bar. Slide the contact block into the N.O. position of the overload relay (tabs on the front of the contact block align with the N.O. tab on the overload relay).

**N.C. operation:** Trip the overload relay by sliding the white test switch on the bottom of the overload relay. Slide the contact block into the N.C. position of the overload relay (rotate the contact 180° from the N.O. position; tabs on the front of contact block align with the N.C. tab on the overload relay).

5. Tighten the screw in the center of the auxiliary contact block (see Figure 2).

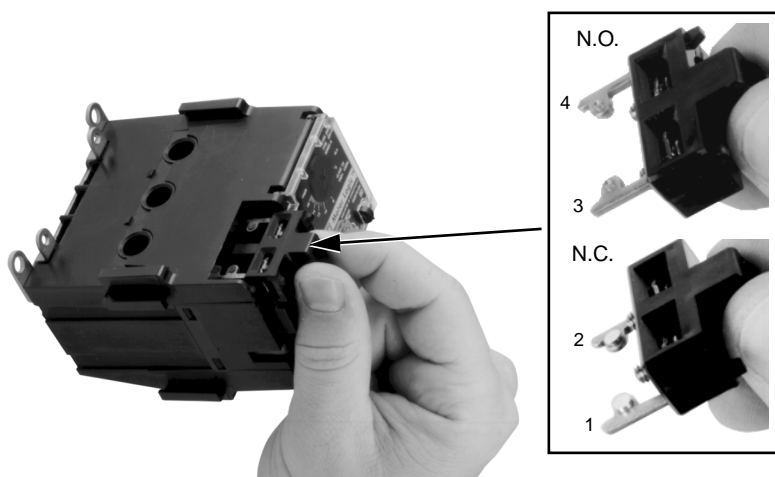


Figure 1: Installing the Auxiliary Contact

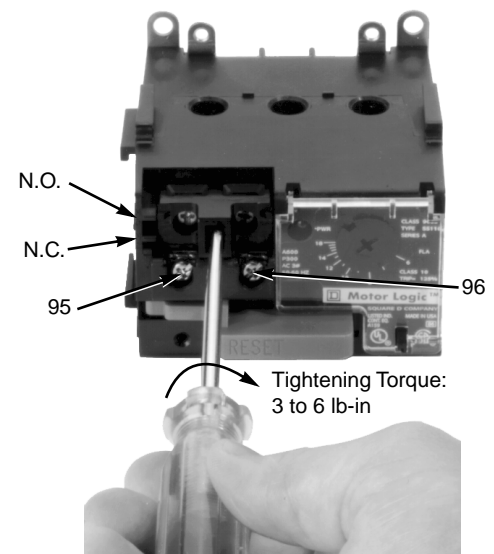


Figure 2: Tightening the Mounting Screw

## TERMINALS

Use only **copper** wire on auxiliary contact terminals. These terminals are suitable for wire sizes 16 to 12 AWG, solid or stranded, and accept one or two conductors per terminal. Recommended tightening torque is 9 to 12 lb-in.

## SPECIFICATIONS

The auxiliary contact is rated A600/P300. Refer to Table 1.

**Table 1: Auxiliary Contact Ratings**

NEMA Rating	Maximum Voltage	Thermal Continuous Current	Maximum Current		VA Rating	
			Make	Break	Make	Break
A600	600 Vac	10 A	[1, 3]	[1, 3]	7200 VA	720 VA
P300	300 Vdc	5 A	[2]	[2]	138 VA	138 VA

[1] For application voltages between 120 and 600 V: obtain the maximum make and break currents by dividing the VA rating by the application voltage. For application voltages below 120 V: the maximum make current is the same as for 120 V, and the maximum break current is obtained by dividing the break VA by the application voltage; however, the current values must not exceed the thermal unit continuous current.

[2] For application voltages of 300 V or less: obtain the maximum make and break currents by dividing the VA rating by the application voltage; however, the current values must not exceed the thermal unit continuous current.

[3] 35% power factor.

## SHORT CIRCUIT PROTECTION

Provide overcurrent protection for control circuits in accordance with the National Electrical Code and/or other applicable electrical codes. For applications requiring compliance with I.E.C. 947-5-1, use only Class CC fuses or better, 30 A maximum.