



Solid State Overload Relay

NEMA Sizes 5 & 6

WARNING: Disconnect all power from the starter and overload relay before installing, modifying, or servicing.

AVERTISSEMENT: Couper l'alimentation avant installation, modification, ou entretien.

CAUTION: Before installing this product in a nuclear application, determine if it is intended for such use.

ATTENTION: Avant d'installer le produit dans une application nucléaire, vérifier si cela est permis.

Introduction

The GE Solid State Overload Relay is shown in Figure 1. The catalog numbers and electrical specifications are listed in Table 1.

Replacement Installation

The following instructions describe the installation of a Solid State Overload Relay as a replacement for an existing overload relay on a 300-Line starter.

1. Disconnect all sources of power to the starter.
2. Disconnect all control and power wiring from the load side of the existing overload relay.
3. Remove and save the overload relay mounting screw, located at the bottom right and upper left corners of the overload relay housing.
4. Remove the overload relay from the starter baseplate.
5. Reassemble the Solid State Overload Relay from this kit in the reverse order.

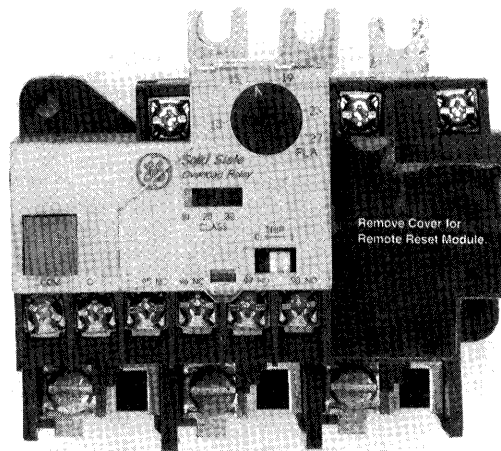


Figure 1. Solid State Overload Relay (external current transformers not shown).

6. Check to see that the two wires from each current transformer have been reconnected to the top and bottom terminals on the same pole of the Solid State Overload Relay as on the overload relay that was replaced.
7. Torque the bottom terminal screws to 20 lb-in and the top terminal screws to 12 lb-in.
8. Connect the control and power wiring to the terminals on the load side of the Solid State Overload Relay, shown in Figure 2.
9. Reconnect power sources to the starter.
10. Fully depress the blue reset button on the Solid State Overload Relay to insure that it is in the reset position. The yellow trip flag will be at its right position, as illustrated in Figure 2.

Catalog Number: Replacement Starter Mount	NEMA Size	Current Range, amps	Max Fuse Size, amps (Class T,H,J,L,R,K)	Max Breaker Rating, amps	Use with GE Contactor
CR324GXNS	5	32-68	250	250	CR306G
CR324GXPS	5	65-135	500	400	CR306G
CR324GXQS	5	130-270	800	800	CR306G
CR324HXSS	6	130-270	800	800	CR306HH
CR324HXTS	6	260-540	1600	1600	CR306HH

NOTE: Maximum fuse and breaker sizes are intended as guidelines. Refer to NEC and local codes for proper fuse and breaker selection.

Table 1. Solid State Overload Relay, NEMA Sizes 5 & 6, catalog numbers and electrical specifications.