

GEH-4773 INSTALLATION INSTRUCTIONS

300- Line CR305X Surge Suppressor

For NEMA Size 00-6

200- or 300- Line Starters and Contractors

Caution: Before installing in a nuclear application, determine that the product is intended for such use.

Warning: Disconnect power before installing or servicing.

Mounting Instructions

1. Remove all sources of power.
2. For 200-Line controllers, remove the bottom coil clamp screw and nut and coil control wire (if present). For 300-Line controllers, remove the wire saddle clamp from the bottom coil clamp.
3. Mount the surge suppressor horizontally below coil to bottom coil

terminal using the appropriate mounting holes indicated in Fig.1. For 200-Line controllers, use the coil clamp screw and nut. For 300-Line controllers, use the #8-32 screw in the surge suppressor kit to secure the suppressor.

4. Secure coil control wire under the saddle clamp on the surge suppressor.
5. Route the surge suppressor wire along the left side of the coil to the top coil terminal clamp, trim wire to length, strip the insulation back approximately $\frac{3}{8}$ -inch and fasten the wire end to the top coil terminal. Tighten all connections securely. When placed on a reverser or multispeed controller, route the surge suppressor wire on the opposite side of the mechanical interlock.

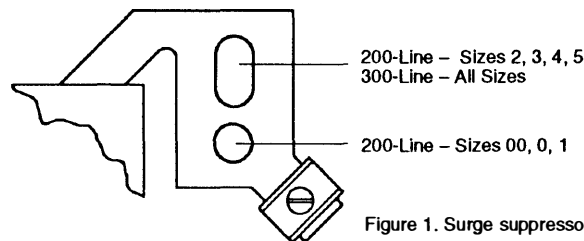


Figure 1. Surge suppressor mounting bracket.

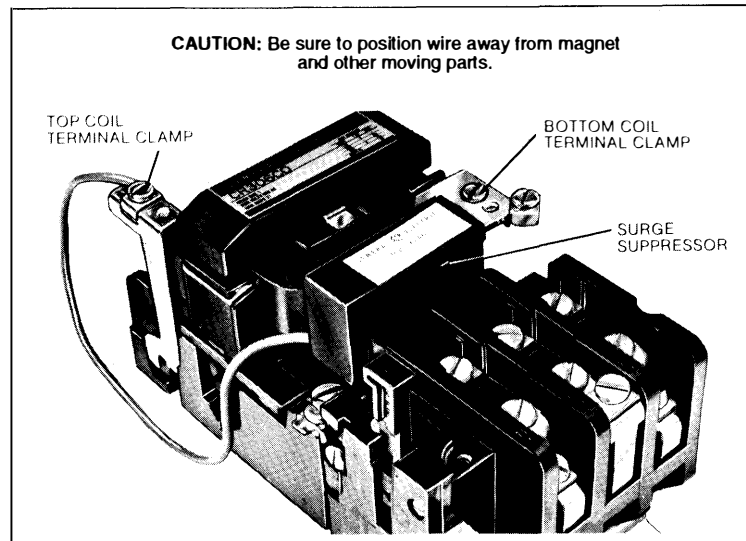


Figure 2. Surge suppressor installed on Size 1 300-Line starter.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the Purchaser's purposes, the matter should be referred to the nearest ABB Sales Office.