

GEH4680 INSTALLATION INSTRUCTIONS

Neutral Kit-TNI63*



Hazards of electrical shock or burn! Turn off power before working inside this equipment.

Used with:

100 Ampere Heavy Duty Non-Fusible Switches

Description:

This device, catalog number TNI63*, Model 4, is UL listed for use as 600Volt maximum insulated groundable neutral. The complete kit consists of the following parts (see Figure 1):

Neutral Block with:

(2) 14-0 copper, #12-0 aluminum lugs

(1 each for line and load)

(1) 14-0 copper, #12-2 aluminum lug (for grounding)

(2) Mounting screws with 2 flat washers 1 fiber shield

For Bonding:

(1) #10-32UNF X 1-3/4 Inch self-threading bonding screw

Installation

Remove two filler screws (if installed) from tapped holes in lower left back wall of switch enclosure. Using Figure 2 as a guide, install neutral in enclosure on the lower back wall with mounting screws.

CAUTION: Ensure neutral is positioned with grounding lug down and insulator is properly placed between neutral and enclosure wall. When installing wiring, the following lug screw torques are recommended.

Line and Load lugs-torque from 110 to 120 in-lbs. Grounding Lug from 45 to 50 in-lbs.

Bonding

If bonding is required, insert bonding screw provided through the hole in the switch enclosure, penetrating the insulator.

Note: * - Applicable for UL Recognized Catalog Numbers with UR suffix also.

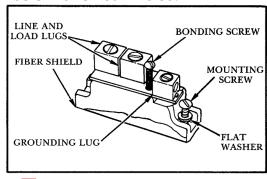


Figure 1. TNI63*, Model 4 Neutral

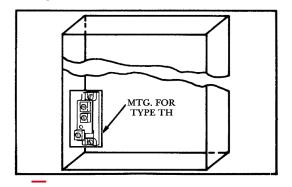


Figure 2. Installing TNI63*, Model 4 Neutral in THN Switch

ABB Inc.
305 Gregson Drive
Cary, NC 27511.
electrification.us.abb.com

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc.
Copyright© 2019 ABB
All rights reserved