

Neutral Kit

TNIA62*/TNIA63*



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

Used with:

600Vac 60-100 Ampere NEMA 1, 3R Heavy and General Duty Fusible Switches.

Description:

These devices, catalog numbers, TNIA62*, Model 2 and TNIA63*, Model 2 are UL listed for use as 600Volt maximum insulated groundable neutrals for installation in type TH, Model 7, Fusible Safety Switches. Each complete kit consists of the following parts.

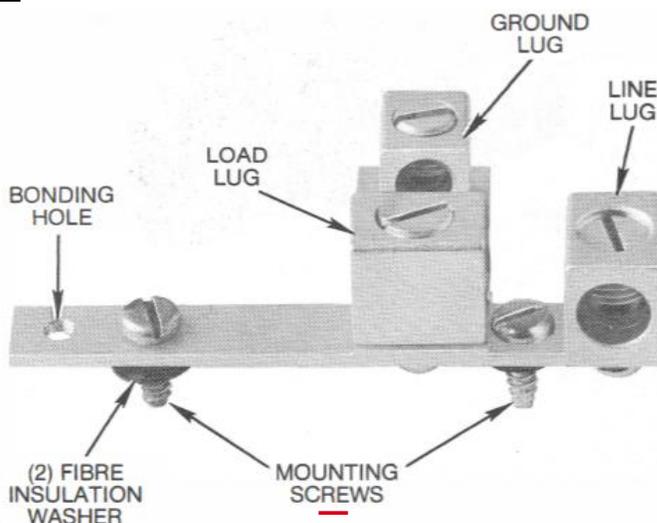


Figure 2.

TNIA63*, Model 2

Neutral strap with:

- 2 each 12-0 Copper, 12-0 Aluminum Lugs (1 each for line and load)
- 1 each 14-2 Copper, 12-2 Aluminum Lug (for grounding)
- 2 each #10-16 self-threading mounting screws
- 2 each Fiber insulating washers (attached to mounting screws)

For Bonding:

- 2 each #10-32UNFX1/4inch thread forming screws
- 1 each bonding strap

Note: * - Applicable for UL Recognized catalog numbers with UR suffix also.

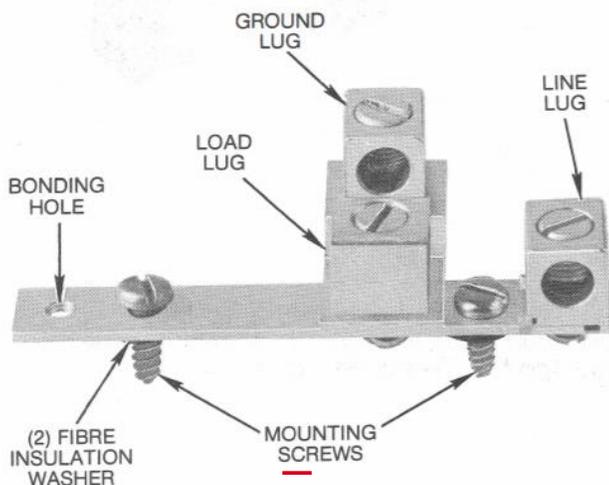


Figure 1.

TNIA62*, Model 2

Neutral strap with:

- 3 each 14-2 Copper, 12-2 Aluminum Lugs (1 each for line, load and grounding)
- 2 each #10-16 self-threading mounting screws
- 2 each Fiber insulating washers (attached to mounting screws)

For Bonding:

- 2 each #10-32UNFX1/4inch thread-forming screws
- 1 each bonding strap

Installation:

Both neutrals are mounted on the foot of the Safety Switch Base as shown in Figures 3 and 4, by driving the mounting screws into blind holes provided in the base. To ensure even seating of the neutral, turn each mounting screw alternately a few turns at a time.

Caution: Be sure the heads of the lug-to-strap mounting screw fit into the appropriate recessed areas in the fuse base; and that the fiber insulation washers are properly located between the neutral and the fuse base.

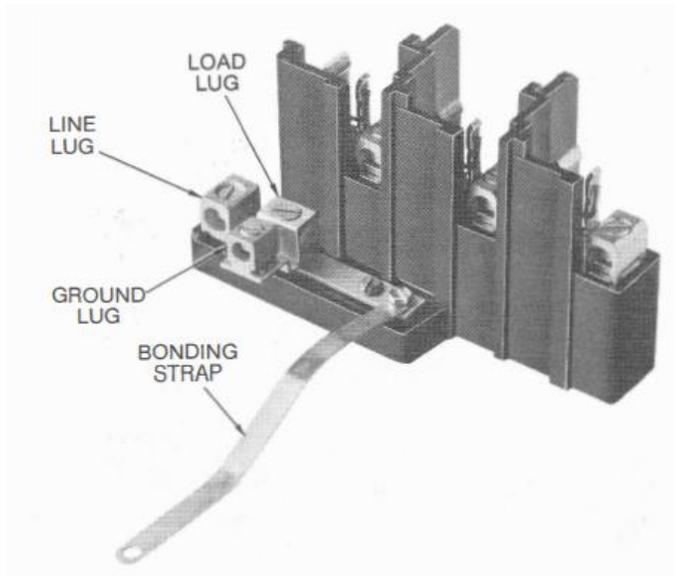


Figure 3.

TNIA 62* Model 2, 60Amp, 600Volt
Fusible load base for Switch Catalog Numbers
TH3362, Mod. 7. TH3362RH, Mod. 7.

Note: * - Applicable for UL Recognized catalog numbers with UR suffix also.

When installing wiring, the following lug screw torques are recommended.

TNIA 62*, Model 2: Line, load and ground lugs - torque from 45 to 50 in-lbs.

TNIA 63*, Model 2: Line and load lugs – torque from 110 to 120 in-lbs., Ground lug – 45 to 50 in-lbs.

Bonding

If bonding is required, attach bonding strap with #10-32UNF X 1/4inch thread-forming screws as shown in Figures 3 and 4.

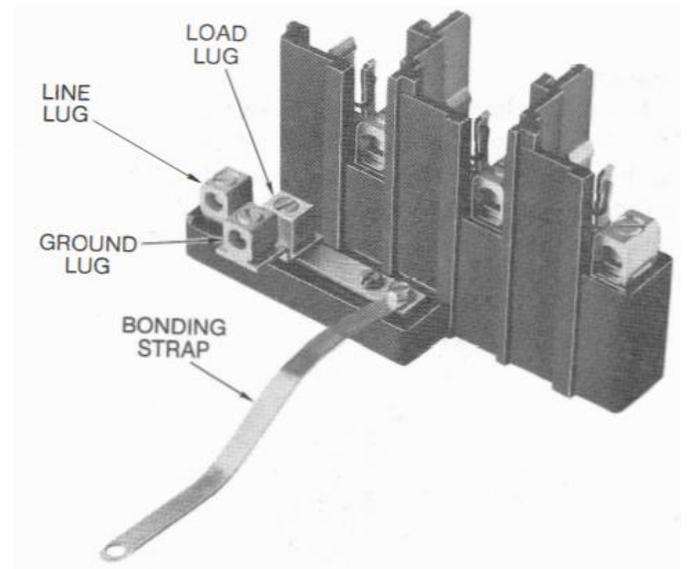


Figure 4.

TNIA 63* Model2, 100Amp, 600Volt
Fusible Load Base for Switch Catalog Numbers
TH3363, Mod. 7. TH3363RH, Mod.7.