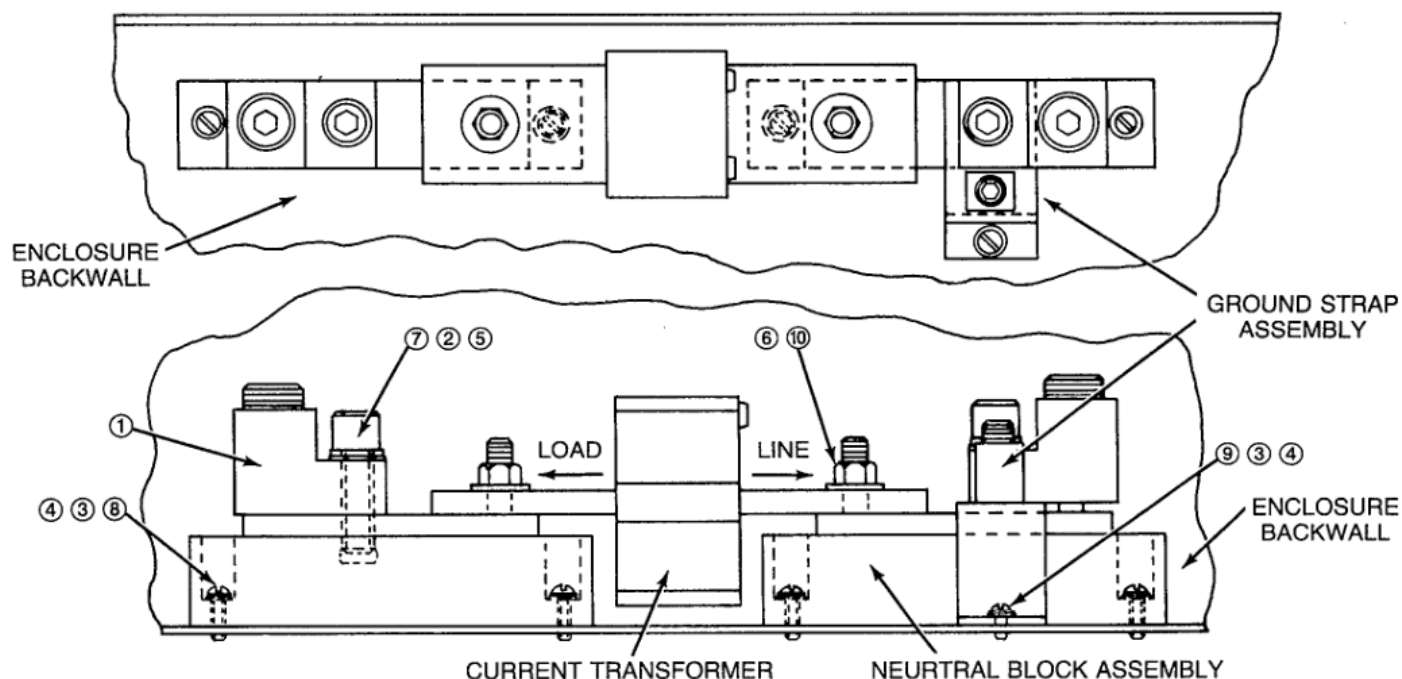


GEH4640 INSTALLATION INSTRUCTIONS

Ground Fault Neutral Transformer

For Catalog Nos.: TNIA-400VG* and TNIA-600VG* MOD. 8



DESCRIPTION

The TNIA-400VG* and the TNIA-600VG* are 600 volt maximum insulated mounting bases for installing ground fault neutral transformers in circuit breaker enclosures.

These mounting bases are solely for mounting Micro-VersaTrip® neutral current transformers as shown in the table on the reverse side of this sheet.

NOTE: Applicable for UL Recognized catalog numbers with UR suffix also.

Kit Contents

Description	Qty
Neutral Block Assembly	2
Lugs (See Table)	2
Ground Strap Assembly	1
1/2"-13 x 1 3/4" Screws	2
#12-24 x 3/4" Screws	4
#12-24 x 3/8" Screw	1
1/2" Belleville Washers	2
1/2" Lock Washers	2
#12 Flat washers	5
#12 Lock washers	5
3/8" -16 Nuts	2
3/8" Belleville Washer	2

Installation

1. Mount the two identical neutral block assemblies to the enclosure back wall with four screws (8), flat washers (3), and lock washers (4). Torque to 30-35 inch-pounds.
2. Install the ground fault neutral transformer over studs provided on the mounting bases. With two nuts (10), and Belleville Washers (6). Torque to 250-300 inch-pounds

IMPORTANT

Be Sure line side of neutral current transformer is mounted facing line or supply side neutral cables.

3. For Service Equipment Applications:

Mount ground strap assembly and two pre-wired lugs (1) to the neutral blocks with two screws (7), flat washers (5) and lock washers (2). Torque to 275 inch-pounds.

NOTE: Applicable for UL Recognized catalog numbers with UR suffix also.

Attach ground strap assembly to the enclosure with one screw (9), flat washer (3) and lock washer (4). Torque to 20 inch-pounds.

For Non-Service Equipment Applications:

Mount two pre-wired lugs (1) to the neutral blocks with two screws (7), flat washers (5) and lock washers (2). Torque to 275 inch-pounds.

4. Refer to instructions packed with MicroVersaTrip® breaker before making control wire terminations.



CAUTION

Bond neutral only on line side of ground fault neutral transformer. If neutral becomes grounded on the load side, partial or complete desensitization of ground fault detection circuitry will result. Be careful to keep control wires away from moving mechanism parts. (Accidental shorting or grounding of control wires may cause breaker to trip).

Device Description	Amp Rating	Ground fault Current Transformer Cat. No	Connector wire size
TNIA400VG*	400	TSRG 201 150A TSRG 202 200A TSRG 203 300A TSRG 204 400A	(2) 1/0-250 MCM CU/AL (1) 4-600 MCM CU/AL
TNIA600VG*	600	TSRG 205 500A TSRG 206 600A	(2) 2/0-500 MCM CU/AL

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