

GEJ3051 Installation Instructions

# Spectra RMS™ & E Frame Molded Case Circuit Breakers

Terminal Lug for TEB, TED, THED, & SE - 150A

TCAL18, TCALK318 - #14-3/0 AWG Cu & Al

TCO18 - #14-3/0 AWG Cu only

TCAL18, TCO 18 and TCALK318 lugs are used with Spectra RMS™ type SE-150A and TEB, TED, THED E-Frame molded-case circuit breakers, Mag Break®, and molded- case switches



**CAUTION:** Lugs are not suitable for use with #14 standard wire. Use minimum #12 wire on spectra type SE - 150A. Use these lugs on TEB, TED, AND THEO breakers ONLY with production codes after J436.

## Installation



**WARNING:** Danger of electrical shock or injury. Turn OFF power ahead of the device before lug installation or modification. Do not remove circuit protective devices until the power is turned Off.

**IMPORTANT:**

Danger d' electrocution. Couper d'alimentation avant d' installer les bornes ou de modifier le raccordement. Ne pas retirer l'appareil de protection avant que l'alimentation soit coupée.

1. Lug screw must be flush with top lug surface.
2. Push lug onto terminal strap until it snaps into place, as illustrated in Figure 1.
3. With Al wire, use joint compound recommended by wire manufacturer (TCAL18 and TCALK318 only)
4. Strip 9/16 - 11/16 inch of insulation from end of wire.
5. Remove individual, lug covers by rotating CCW with 7/32" Allen Wrench.
6. Install wire & torque lug with a 7/32" Allen wrench, per Table 1.
7. Reinstall lug covers so that arrows line up with the vertical axis of the breaker.

Wire Range	Torque (in-lb)
#3/0- 2 AWG	150
# 3-8 AWG	100
#10- 14 AWG	35

Table 1. Wire range and torque requirements

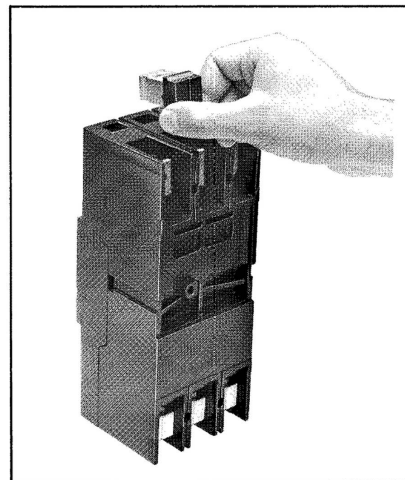


Figure 1. Installing Terminal Lug

The 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.