



## INSTRUCTIONS

GEH-3445

# RECOMMENDED PROCEDURE FOR ALUMINUM TERMINATIONS

### GENERAL

To help guard against overheating, the following procedure is recommended when connecting aluminum wire.

### PROCEDURE

- STEP 1** Strip the wire of its insulation to the desired length without ringing or nicking the wire.
- STEP 2** Wire brush the stripped portion of conductor thoroughly.
- STEP 3** Thoroughly coat stripped conductor with oxide inhibiting compound. (Two recognized compounds are Penetrox A and Alnox-UG. There may be others available which will do equally well.)
- STEP 4** Insert the conductor into the connector making certain all strands are contained and tighten the connector screws securely. This operation should result in the compound oozing out from between the individual strands of the conductor. If this does not happen, this is an indication an insufficient quantity of compound was used.
- STEP 5** Wipe excess compound from area adjacent to connection because some compounds contain metallic particles and could reduce the dielectric strength of the insulating materials employed.

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 General Electric Company.

GENERAL  ELECTRIC

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TIME CURRENT CHARACTERISTIC CURVE INDEX  
GENERAL ELECTRIC INSULATED CASE CIRCUIT BREAKERS

Breaker	10½" x 15" Translucent Paper for System Coordination Studies
<b>Q LINE</b> THQL-GF, THQB-GF THQB, THQC, THQL (1-, 2- & 3-pole, 15-50 Amp) TXQB, TXQC, TXQL (1- & 2-pole, 15-30 Amp) THQAL, THHQAL, THQB, THQC (1-pole, 60-70 Amp; 2- & 3-pole, 60-100 Amp) THHQAL, TQAL (2-pole, 110 & 125 Amp) THQP (1- & 2-pole, 15-50 Amp) TQD, THQD (100-225 Amp) TQDL (125-200 Amp)	K215-125  K215-63C  K215-64C K215-129 K215-79D GES-6108B K215-124
<b>E 150 LINE</b> TEB (14-45 Amp, 240V) (50-80 Amp, 240V) (90, 100 Amp, 240V) TED (15-45 Amp, 480V) (50-80 Amp, 480V) (90, 100 Amp, 480V) TED, THED (15-45 Amp, 600V) (50-80 Amp, 600V) (90-150 Amp, 600V)	GES-6122A GES-6123A GES-6124A GES-6113B GES-6114B GES-6115B GES-6119B GES-6120B GES-6121B
<b>F 225 LINE</b> TFJ, TFK, THFK (70-225 Amp) THFJ (150 Amp Max.)	GES-6103D
<b>J 600 LINE</b> TJJ, TJK, THJK (125-600 Amp) TJD (400 Amp Max.)	GES-6104C GES-6112
<b>K 1200 LINE</b> TKMA, THKMA (300-1200 Amp)	GES-6111B
<b>POWER-BREAK LINE Dual Magnetic</b> TPS (600-2500 Amp) (2000- and 2500 Amp Frames) (2000-3000 Amp) (3000-Amp Frame) (600-2500 Amp) Dual Selective Trip (2000- & 2500-Amp Frames) (2000-3000 Amp) Dual Selective Trip (3000- amp Frame)	GES-6125 GES-6126A  GES-6129A GES-6130A
THS (600-2500 Amp) (2000- & 2500-Amp Frames) (2000-3000 Amp) (3000-amp Frame) (600-2500 Amp) Dual Selective Trip (2000- & 3000-Amp Frames) (2000-3000 Amp) Dual Selective Trip (3000- Amp Frame)	GES-6127 GES-6128A  GES-6131A GES-6132A
<b>VERSATRIP</b> Long-time, Short-time and Instantaneous Ground-fault Pick-up Settings and Delay	GES-6133A GES-6134A
<b>GROUND-BREAK™ SYSTEM</b> Ground-fault Pick-up Settings and Delay	GES-6135A
<b>TRI-BREAK LINE</b> TB1 (15-30 Amp) (40-100 Amp)  TB4 TB6 TB8	K215-71C K215-72C K215-73C K215-74C K215-75C
<b>MAG-BREAK LINE</b> TEC, TECL TFC TJC (400 Amp) TJC (600 Amp) TKC (800 Amp) TKC (1200 Amp) TBC (225 Amp) TBC (400 Amp) TBC (600 Amp) TBC (800 Amp)	K215-100A K215-101 GES-6141 GES-6142 GES-6146 GES-6147 GES-6136 GES-6137 GES-6138 GES-6139
<b>MINE DUTY LINE</b> E Therm-Mag—50A, 70A Therm-Mag—100A Mag Only J Therm-Mag Mag Only K Therm-Mag Mag Only	GES-6151 GES-6152 GES-6153 GES-6154 GES-6155 GES-6156 GES-6157

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