

Installation & Operating Instructions

Hubbell Reducing Connector 15 kV, 25/28 kV, & 35 kV Elbow Tap Plug

DESCRIPTION

Hubbell Power Systems Loadbreak Reducing Taps provide a means to convert a 600 A dead break interface to a 200 A loadbreak interface. The 600 A end conforms to either interface 11 or 13. The 200 A end conforms to interface 5, 7A or 7B. When properly mated, they provide a fully shielded, fully submersible unit. Both interfaces meet the requirements of IEEE Std. 386 – latest revision, as follows:

15 kV Class: 200 A, 8.3/14.4 kV
25/28 kV Class: 200 A, 16.2/28.0 kV
35 kV Class: 200 A, 21.1 kV

NOTE

Check contents of package to ensure that it is complete and the components are NOT damaged.

IMPORTANT: Read these instructions thoroughly before operating the system. Be sure that the connectors are rated for the intended energized use. (See appropriate Hubbell catalogs for selecting the correct mating product.) Visually inspect parts for damage before using.

CONTENT OF PACKAGE

- 1- Elbow Tap Plug
- 2- Lubricant (DO NOT SUBSTITUTE)
- 1- Instruction Sheet

INSTALLATION TOOLS

- Hand Tools
- Hex Tool



615ETP Shown

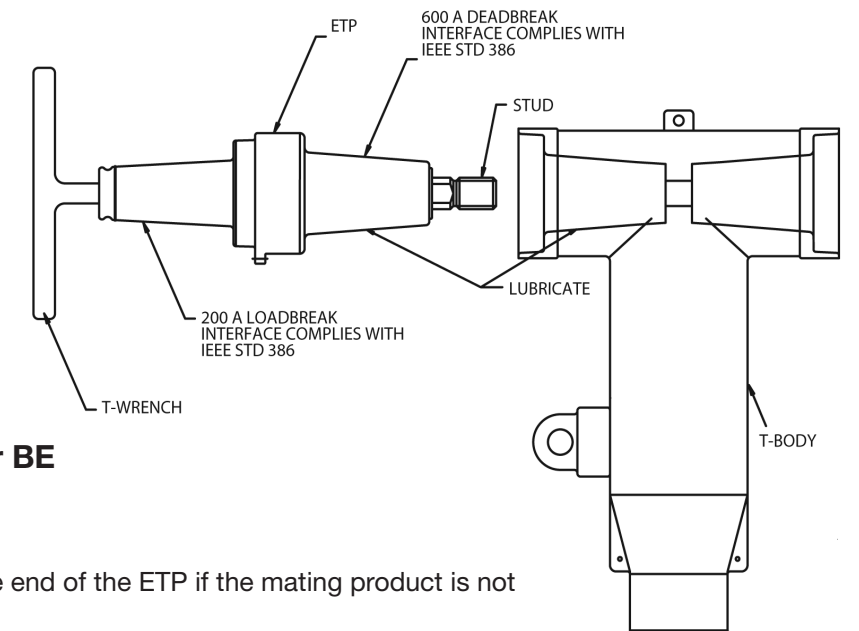
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INSTALLATION

Step 1. Install the related 600 A dead break connector

Refer to the following installation instructions:

- Hubbell's 600 A Bolted T-Body
- Hubbell's 600 A Bushing Extender



Step 2. Install ETP into 600 A T-body or BE

- Remove protective caps.
- Hand tighten the stud into the 600 A interface end of the ETP if the mating product is not equipped with one.
- Clean and lubricate all mating 600 A interfaces with lubricant provided. DO NOT SUBSTITUTE. Other lubricants may be harmful.
- Insert 600 A interface of ETP into the T-body or Bushing Extender.
- Carefully thread ETP stud into mating part in opposite entrance of T-body or BE.
- Insert hex tool into the loadbreak interface and engage internal broached hex.
- Torque to 50 to 60 ft-lbs.

Step 3. Ground

- Attach a #14 AWG copper wire (or equivalent) to one of the ground tabs on the reducing tap.
- Twist the wire at least two turns at the ground tab and squeeze the loop to secure.
- Attach the free end of the electrostatic grounding wire to system ground.
- Ensure that the shields of all mating products are similarly tied to one common ground point.

Step 4. Cap 200 A interface

- Clean and lubricate 200 A loadbreak interface of ETP with lubricant supplied. DO NOT SUBSTITUTE.
- Install the mating product of the loadbreak interface following the component's supplied instructions.

CAUTION

The equipment covered by these instructions should be installed, operated and serviced only by competent personnel trained in good safety practices. This instruction is written for such personnel and is not intended as a substitute for adequate training and experience in safe procedures for this type of equipment.

DANGER

All apparatus must be de-energized during installation or removal of parts. Do not touch or move energized product by hand. Failure to follow this instruction may result in serious or fatal injury, as well as damage to the product.

DANGER

Remove all protective shipping caps and replace with an approved insulating cap or connector prior to the junction being submersed or the circuit energized. The protective shipping caps are intended to keep the interfaces clean during shipping and handling and should never be used on energized equipment.

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 Hubbell Power Systems, Inc.