hubbellpowersystems.com

IS600PLUGS

Installation & Operating Instructions

Hubbell Deadbreak Plug & Well Products 25/28kV & 35kV, BIP, CP, RTW

DESCRIPTION

The Basic Insulating Plug, Connecting Plug or Reducing Tap Well is used to insulate or provide a tap off a T-body or Bushing Extender. They are designed to meet all requirements of IEEE Std. 386.

When properly mated, they provide a fully shielded, fully submersible unit.

25/28kV Class:, 16.2kV
35kV Class: 21.1kV

NOTES

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

CONTENTS OF PACKAGE

(1) Plug, Well, or Reducer

(1) Lubricant
(DO NOT SUBSTITUTE)

(1) Instruction Sheet

INSTALLATION TOOLS

- Spanner Wrench - (RTW)
- 1" Socket - (BIP)
- 5/16" Allen Wrench - (CP)
- Torque Wrench
- Hand Tool

Important: Read these instructions thoroughly before operating the system. Be sure that the terminations are rated for their intended energized use.

⚠ WARNING

The equipment covered by these instructions should be installed, operated and serviced only by competent personnel familiar with 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.

⚠ CAUTION

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.

INSTALLATION

Step 1 - Clean & Lubricate

- Remove protective shipping caps.
- Clean and lubricate both the plug or well and the T-body or Bushing Extender interface with lubricant supplied. DO NOT SUBSTITUTE
- Hand tighten the loose stud into the plug or well if the mating interface is not equipped with one. (Figure 1)

Step 2 – Assemble

- Push the plug or well into the T-body or Bushing Extender and engage the threads.
- Hand tighten to prevent cross-threading. (Figure 2)
- Tighten Basic Insulating Plug or Connecting Plug to 50-60ft lbs of torque.
- Tighten Reducing Tap Well with spanner wrench. The indicated torque will not be the actual torque due to theaddition of the spanner wrench. Tighten 40-48 ft lbs of torque.

Step 3 – Assemble TP Cap

- For Insulating Plug, clean and lubricate inner surface of test point cap.
- Push cap onto the 1" hex until it snaps in place. (Figure 3)

Voltage Test

There are two methods to indirectly test for voltage on an energized 600A T-body, either the insulating plug or the TP on the housing. (Figure 4)

- Remove test point cap with a hotstick, peeling it off at an angle.
- Using a suitable sensing device, proceed to determine if the cable is energized.

WARNING: The test point is a capacitance device; it is not directly connected to the conductor. It requires the use of specially designed instruments. DO NOT USE CONVENTIONAL VOLTAGE MEASURING EQUIPMENT. A FALSE INDICATION MAY BE OBTAINED.

- After voltage detection has been made, clean and lubricate test point cap and replace.

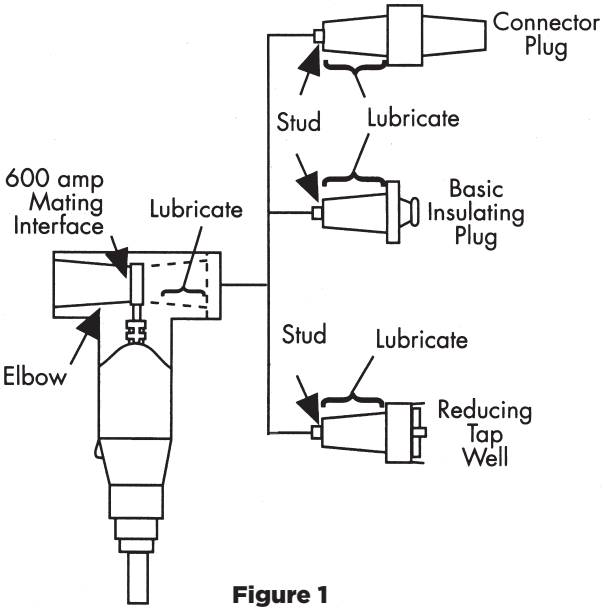

Figure 1

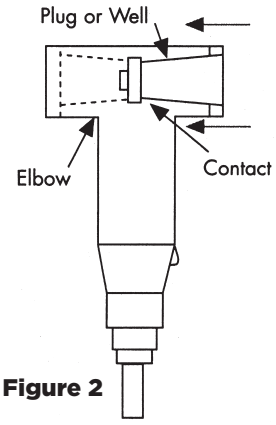

Figure 2

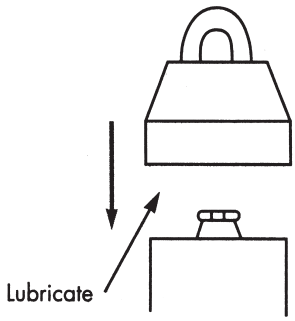

Figure 3

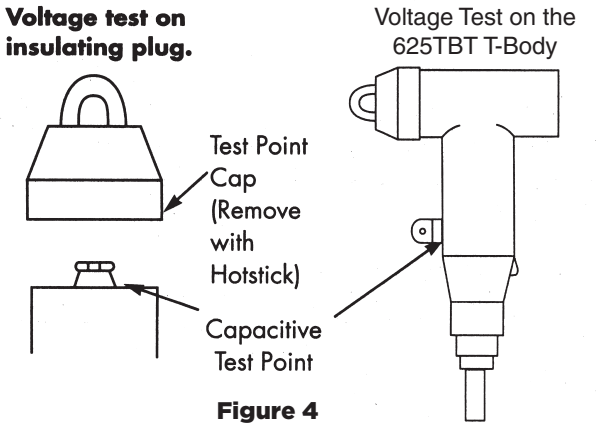

Figure 4

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