

Installation Instructions

15/25/35kV 600/900 AMP

Deadbreak Plug and Well Products

CONTENTS: Plug or Well, Lubricant (DO NOT SUBSTITUTE), Installation Instructions.

The plug and well are power distribution product accessories designed for use on 600/900 ampere systems. They can be mated with a 600 ampere elbow or bushing extension. They can also be used on single phase laterals of 3 phase circuits. Refer to mating product installation instructions:

15/25/35kV 600/900 amp Elbows
15/25/35kV 600/900 amp Bushing Extensions

DANGER

All apparatus must be de-energized during installation or removal of part(s). For loadbreak products follow operating instructions. All deadbreak connectors must be de-energized before operating. All 200A deadbreak connectors must be mechanically secured with bails when connected.

All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency.

Do not touch or move energized products by hand.

Excess distortion of the assembled product may result in its failure.

Contact with solvents, transformer oil, motor oil and

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

similar substances will degrade jacket conductivity and insulation level if not immediately wiped off.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

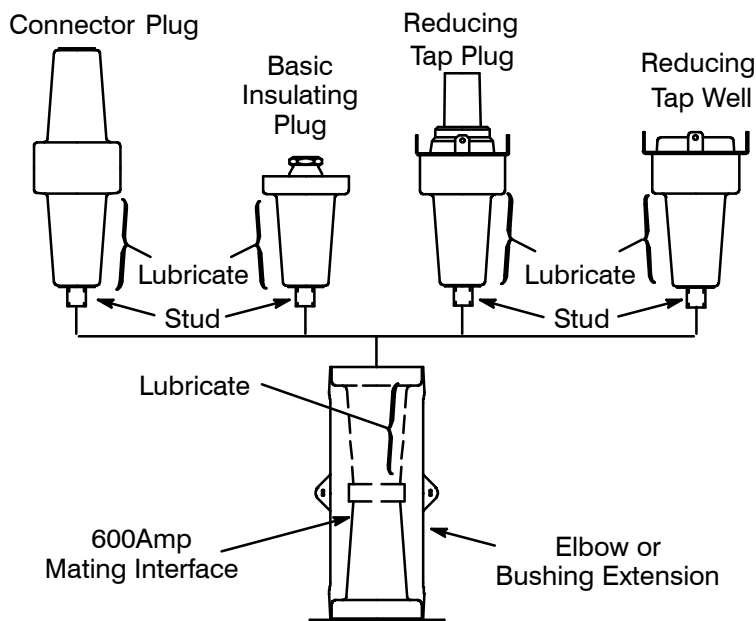
If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

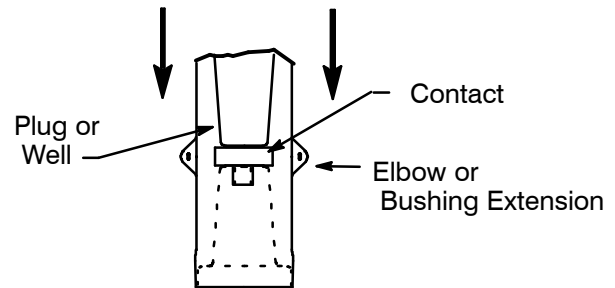
STEP 1

Remove protective caps from the plug or well product. The elbow and bushing extension come packaged with a stud. Hand tighten the stud into a 600amp interface on the plug or well if the 600amp mating interface is not equipped with a stud. Lubricate both the elbow and its mating part as indicated with the lubricant supplied. DO NOT SUBSTITUTE. Other lubricants may be harmful to the products. Be sure to keep surfaces of elbow and mating parts clean.



STEP 2

Push the plug or well into the elbow or bushing extension and engage the threads.



STEP 3

FOR INSULATING PLUG:

Use torque wrench and tighten exerting 50 to 60 foot-pounds of torque.

FOR CONNECTOR PLUG, TAP PLUG OR TAP WELL:

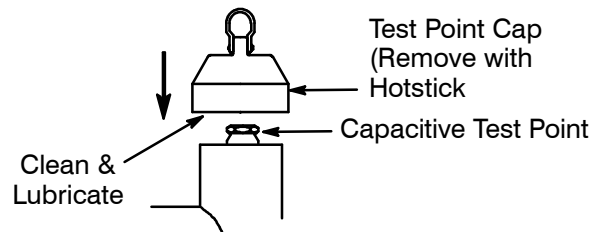
Use torque wrench with an ELASTIMOLD 600SW spanner wrench. Since the indicated torque reading is not the actual torque applied in this case, the indicated torque should be from 40 to 48 foot-pounds.

FOR K651 AND 750 RUBBER CONNECTING PLUGS:

Refer to special instructions IS-0915.

STEP 4

If an insulating plug is used as a mating part, clean and lubricate inner surface of the voltage detection cap and place on elbow. Push down hard until cap snaps into place. Follow voltage test directions below.



VOLTAGE TEST

The ELASTIMOLD deadbreak elbow connector is equipped with an integral capacitance test point that can be used to establish whether or not the circuit is energized. When using the test point, complete the following steps:

1. Remove test point cap with a hotstick. When removing cap, PEEL OFF AT AN ANGLE rather than pulling directly in line with the test point assembly.
2. **WARNING:** THE VOLTAGE TEST POINT IS A CAPACITANCE DEVICE, IT IS NOT DIRECTLY CONNECTED TO THE CONDUCTOR. Do not use conventional voltage measuring equipment. Follow the manufacturer's directions for the meter that is used. Test with a suitable sensing device, made for use with separable connectors manufactured with capacitive test points, to determine if cable is energized. Contamination, moisture, dirt, etc. around the test point or use of the wrong measuring equipment can provide a false "no voltage" indication on an energized elbow. To prevent serious or fatal injury treat the elbow as energized until the "no voltage" test point indication is confirmed by other means.
3. After voltage detection has been made, clean and lubricate the inside surface of the cap with silicone grease and replace it on the test point.

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