

Installation Instructions

373J2-5, 373J3-5, 373J4-5

Two-, Three-, and Four-Point Loadbreak Junctions

CONTENTS: Loadbreak Junction with Holdown Brackets and Hardware (as required), Shield Plate, Installation Instructions.

The two-, three-, and four-way loadbreak junctions are used for sectionalizing, looping tapping or for apparatus change out. These loadbreak junctions are designed to interface with Elastimold 35kV class (21.1kV phase-to-ground and 36.6kV phase-to-phase) loadbreak connectors. A black band provides vents for improved switching performance. This product is identified by a round white marker(s) attached to the bracket.

DANGER

All apparatus must be de-energized during installation or removal of part(s) except for test point caps and indicators that can be installed and operated energized.

After installation loadbreak products can be operated energized per operating instructions. All loadbreak connectors must be de-energized before operating.

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.

“Loadbreak connectors must be operated with a full insulated “hotstick” type live-line tool.” Consult the company’s safe work practices for the required live-line tool length.

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

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

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.

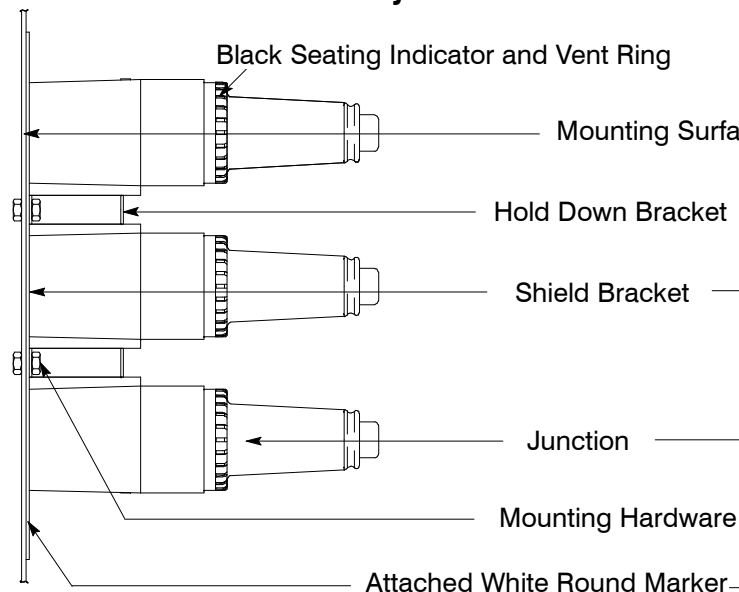
Failure to follow these instructions will result in damage to the product and serious or fatal injury.

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.

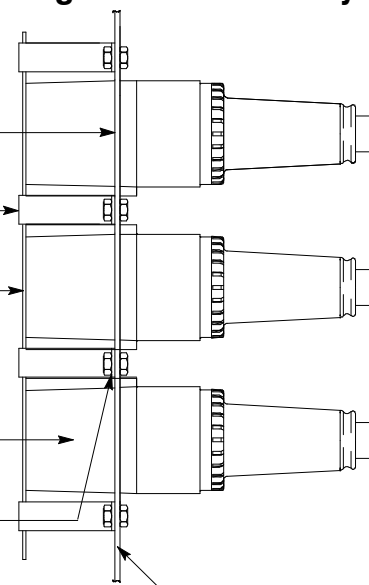
IMPORTANT

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.

Front Surface Mount Assembly

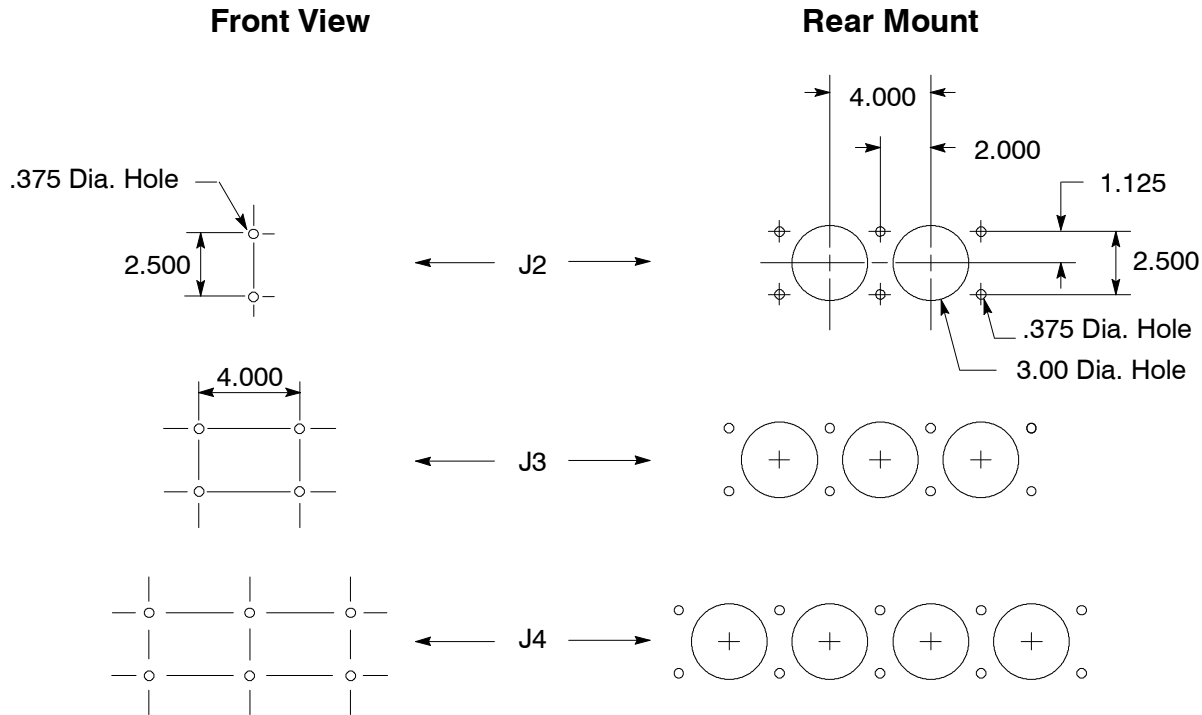


Front Surface Through Mount Assembly



STEP 1

Determine the desired location of the junction assembly and drill holes as shown.



STEP 2

Assemble loadbreak junction, shield plate and hold down brackets with supplied fasteners, attach to flat surface and tighten all fasteners securely to ensure no movement during operation.

CAUTION

THE SHIELD PLATE, HOLD DOWN BRACKETS AND BLACK CONDUCTIVE RUBBER SHIELD MUST BE GROUNDED. IF THE MOUNTING SURFACE IS CONDUCTIVE AND GROUNDED NO OTHER GROUND IS NECESSARY. FOR INSULATING MOUNTING SURFACES A GROUNDING LUG (NOT PROVIDED) MUST BE ATTACHED WITH ONE OF THE MOUNTING BOLTS AND A GROUND WIRE (14AWG MINIMUM) BE ATTACHED TO THE LUG AND A GROUND BUS.

OPERATING INSTRUCTIONS

Remove protective caps and clean the bushings. Apply silicone lubricant (DO NOT SUBSTITUTE) before assembly with an ELASTIMOLD loadbreak connector. Refer to loadbreak connector operating instructions (IS-273/274LR for 25kV class or IS-375/376LR for 35kV class), before operating junctions with loadbreak elbow connectors. IF ALL BUSHINGS ARE NOT UTILIZED, ELASTIMOLD 270DR FOR 25kV CLASS OR 370DR FOR 35kV CLASS INSULATED CAPS **MUST** BE INSTALLED ON THE UNUSED BUSHINGS(S) BEFORE ENERGIZATION. INSULATED CAPS **MUST** BE INSTALLED ON THE UNUSED BUSHINGS(S) BEFORE ENERGIZATION. DO NOT USE THE PROTECTIVE SHIPPING CAPS FOR THIS FUNCTION AS THEY ARE NOT INSULATED AND ARE ONLY INTENDED TO KEEP THE BUSHING SURFACES CLEAN DURING HANDLING AND INSTALLATION.

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