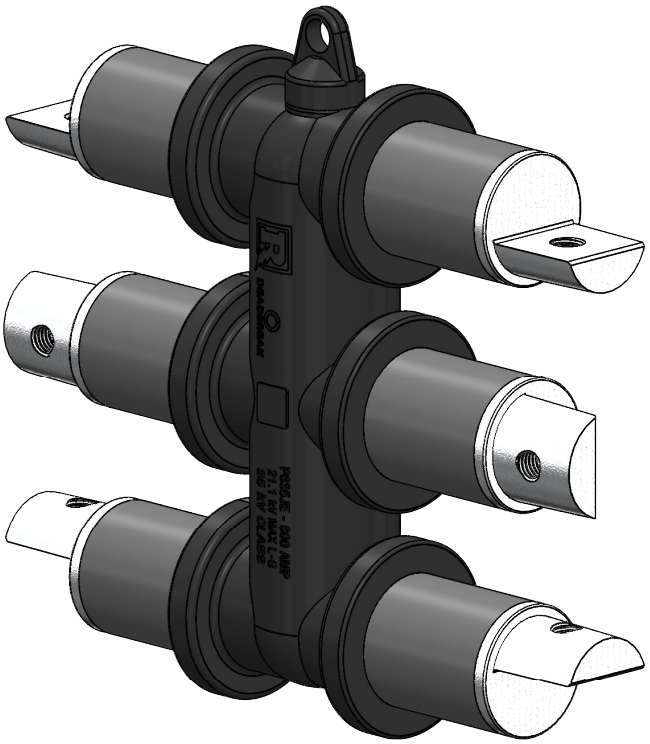
15/25/28kV Disconnectable "E" Bus

Product Data Sheet

The Richards Disconnectable Joint system is a multi-way medium voltage cable splicing system available through 35kV. Commonly found in higher load density underground systems, these Joints can be useful even for lighter loads due to their versatility and simplicity. Other methods involve complicated installations that are extremely difficult in congested underground distribution environments.

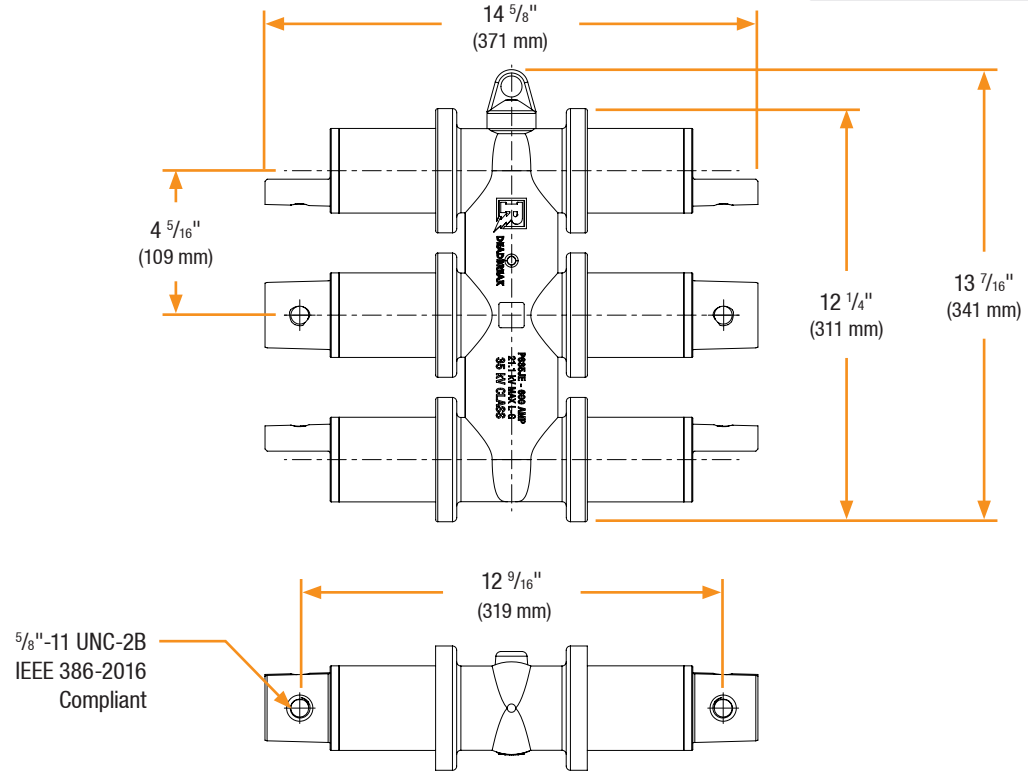
The Disconnectable Joint Bus is composed of a high-conductivity metallic bus contact overmolded with EPDM rubber. The various positions of the Bus allow for interconnection of medium voltage cables in an ultra-low-profile configuration. Accessories are also available for insulating, isolating, spiking and grounding.



Features

- Injection Molded & Peroxide-Cured EPDM Rubber
- Designed, Tested and Molded in the USA
- Fully-Shielded/Deadfront
- Submersible
- Dependable Multi-Way Splice
- Low-profile, space-saving splicing solution
- Modular design

Basic Dimensions

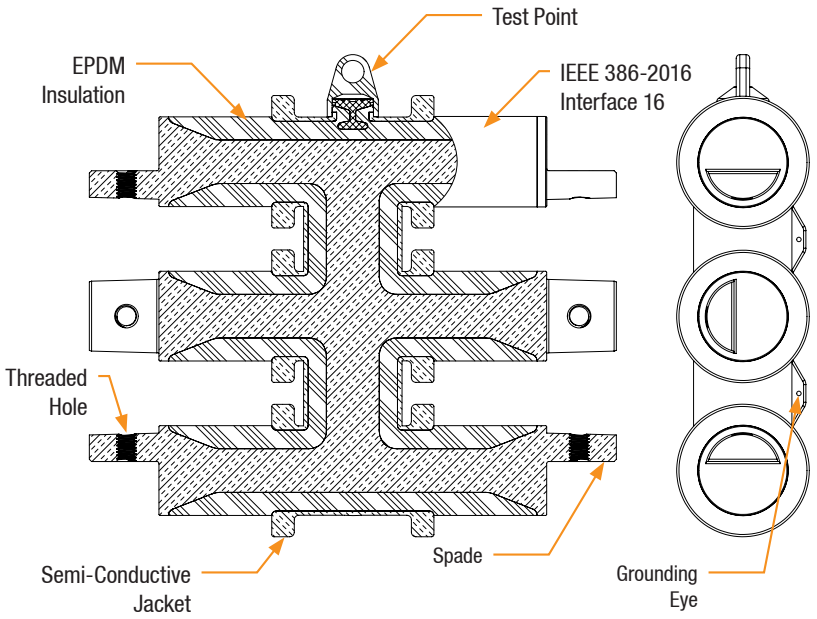


15/25/28kV Disconnectable "E" Bus

Related Products

P625JS 15/25/28kV Disconnectable Joint Sleeve	**P625JSCS** 15/25/28kV JSCS Series Cold Shrink Sleeve
92DSS0 15/25/28/35kV Spiking Stem Assembly	
P625JIC 15/25/28kV Joint Insulating Cap	**P6JGP** 15/25/28kV Joint Grounding Plug
P6JPB Barrier Bolt	
P6AL-X Aluminum Compression Lug	
P6ALR-X Aluminum Range Taking Lug	

Detail View



Notes: Test Point is not optional.
Bus is equivalent to 1500 kcmil aluminum cable.
Bus is intended to have one input interface and 5 output interfaces. For other applications, please contact the factory.

Restraints & Tools

Compatible with the following restraints:

JRF

Compatible with the following tools:

P6JAT1 | **P6JAT3**

Note: Due to part geometry the tools are only compatible with the top and bottom legs.

Production Testing

IEEE requires a Partial Discharge test and choice between AC withstand and Impulse.

Richards runs 3/3 tests on ***all*** Medium Voltage products governed by IEEE 386.®

100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

Product Ratings

Voltage Ratings	
Maximum Voltage Rating – (phase to ground)	16.2kV
Corona Voltage Level – (partial discharge extinction voltage)	22kV®
AC Withstand – (1 minute)	45kV
Impulse-Withstand Voltage – (BIL)	162kV BIL®

Continuous Current Ratings	
Aluminum	600A

Short-Time Current Ratings	
Aluminum	25kA, 10c. and 10kA, 3s.

The 15/25/28kV Disconnectable "E" Bus is qualified to the following industry standards:

- IEEE Std 386: For Separable Insulated Connector Systems
- ANSI C119.4: For Electric Connectors
- IEEE Std 592: For Exposed Semiconducting Shields
- IEEE Std 404: For Cable Joints

® *Exceeds IEEE 386 requirement*