Richards MANUFACTURING CO.

P635CPR-200
P935CPR-200

35kV 200kV BIL Deadbreak Connecting Plug

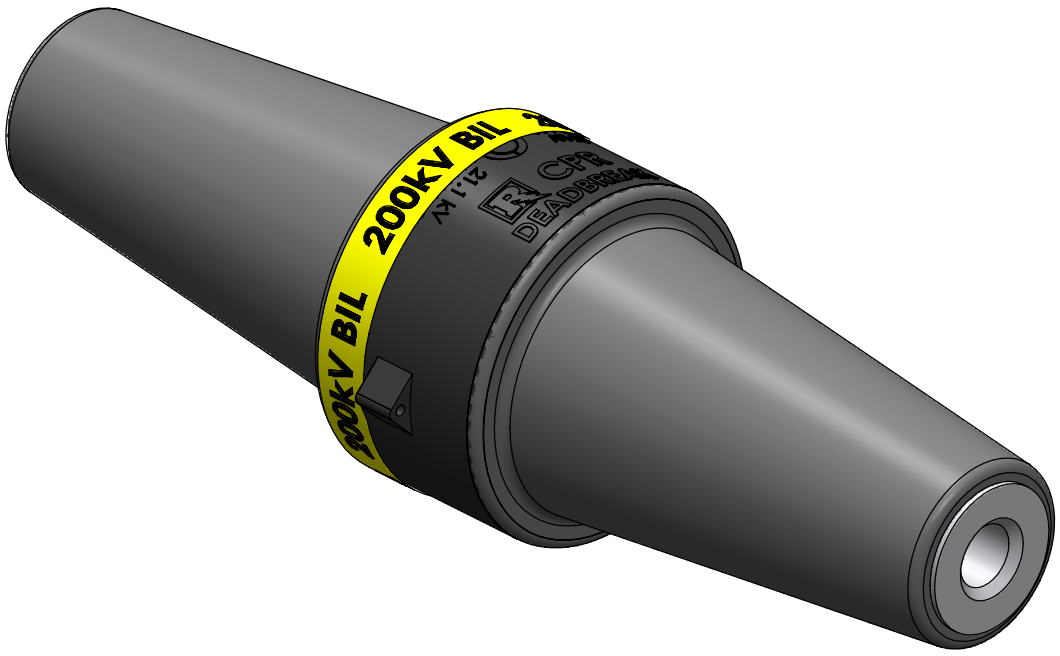
Product Data Sheet

Richards 35kV 600A (P635CPR-200) and 900A (P935CPR-200) Deadbreak Connecting Plugs are utilized to connect two or more 35kV Deadbreak Elbows together. The Elbows can be configured as a splice, or stacked onto a junction or apparatus bushing.

Richards Connecting Plugs are manufactured from EPDM rubber and are fully shielded. Each interface (IEEE Std. 386 Interface 11) is equipped with an internal 3/8" hex broach. The Connecting Plug is torqued using an approved installation tool such as the Richards P6AT.

Add -LS to include loose stud (P635CPR-200-LS).

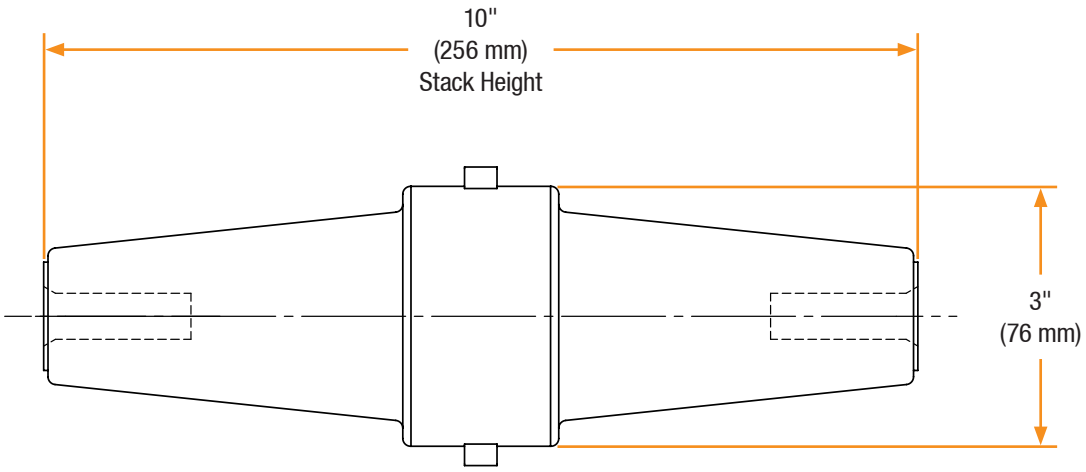
Add -S to include factory installed stud (P635CPR-200-S).



Features

- 100% EPDM Composition
- Injection Molded & Peroxide-Cured
- Made in the USA
- Fully-Shielded/Deadfront
- Internal Hex Broach for 3/8" Tools

Basic Dimensions



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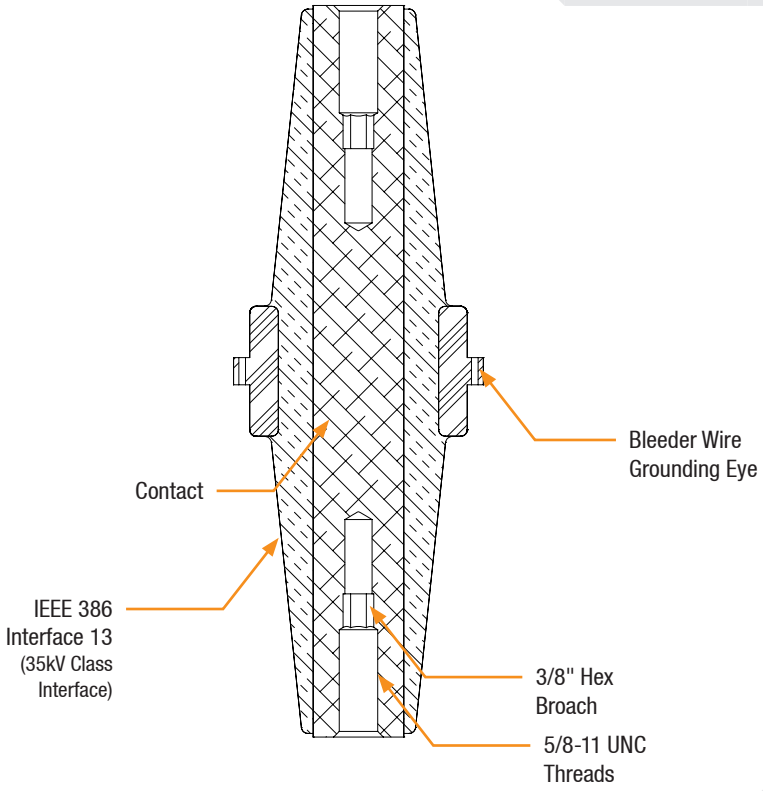
Installation

35kV Deadbreak Connecting Plug Installation is covered by:
RP-II-PLUGWELL

Related Products

P635HIP-STUD 35kV Aluminum Threaded Stud	**P935HIP-STUD** 35kV Copper Threaded Stud
63LCN-200/63LCT-200 35kV 200kV BIL Deadbreak Elbow	**93LCN-200/93LCT-200** 35kV 200kV BIL Deadbreak Elbow
P635BE-200 35kV 200kV BIL Bushing Extender	**P935BE-200** 35kV 200kV BIL Bushing Extender
P635IC-200 35kV 200kV BIL Insulating Cap	**P935IC-200** 35kV 200kV BIL Insulating Cap

Detail View



Applications

- Outdoor
- Vaults
- Enclosures
- Direct Bury
- Submersible

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.R

100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

Product Ratings

Voltage Ratings	
Maximum Voltage Rating – (phase to ground)	21.1kV
Corona Voltage Level – (partial discharge extinction voltage)	26kV
AC Withstand – (1 minute)	70kV R
Impulse-Withstand Voltage – (BIL)	200kV BIL R

Continuous Current Ratings	
Aluminum	600A
Copper	900A

Short-Time Current Ratings	
Aluminum	25kA, 10c. and 10kA, 3s.
Copper	40kA, 10c. and 10kA, 3s.

The 35kV Deadbreak Connecting Plug 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

R *Exceeds IEEE 386 requirement*