Richards MANUFACTURING CO.

P635BE-200
P935BE-200

35kV 200kV BIL Bushing Extender

Product Data Sheet

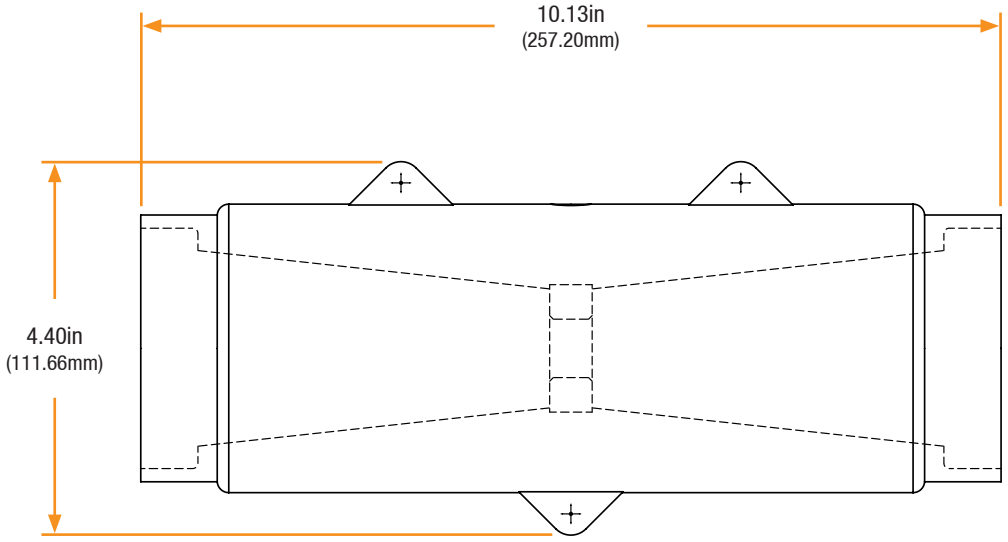
Richards 35kV 600A (P635BE-200) and 900A (P935BE-200) Bushing Extender provides an insulated, fully shielded connection between an apparatus bushing and another 35kV Deadbreak interface connection.

Deadbreak Bushing Extenders can be used for spacing purposes as well as for accommodating other 35kV Deadbreak accessories.

Features

- 100% EPDM Composition
- Injection Molded & Peroxide-Cured
- Fully-Shielded/Deadfront
- Submersible
- Designed, Molded, and Tested in the USA

Basic Dimensions



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Installation

35kV Bushing Extender installation is covered by: **RP-II-BE**

Related Products

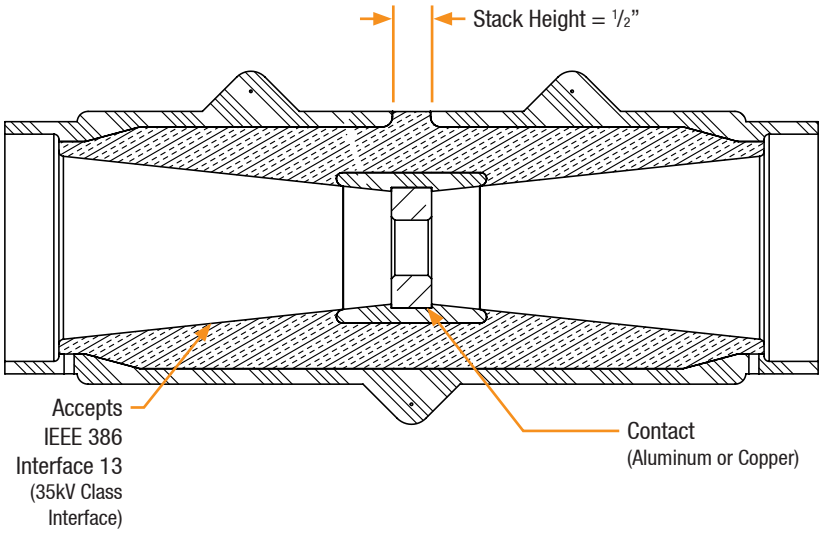
P635HIP-STUD
35kV Aluminum Threaded Stud

P935HIP-STUD
35kV Copper Threaded Stud

P635HIP-200
35kV 200kV BIL Aluminum Insulating Plug

P935HIP-200
35kV 200kV BIL Copper Insulating Plug

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 Bushing Extender 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*