

35kV Deadbreak Insulating Cap

Product Data Sheet

The Richards 35kV Deadbreak Insulating Cap provides a means to insulate 600 or 900A 35kV Deadbreak interfaces (IEEE 386, Interface 13). The Deadbreak Cap is often utilized to insulate unused positions on Deadbreak Junctions or to insulate an R-Stack, Connecting Plug or Apparatus Bushing interface.

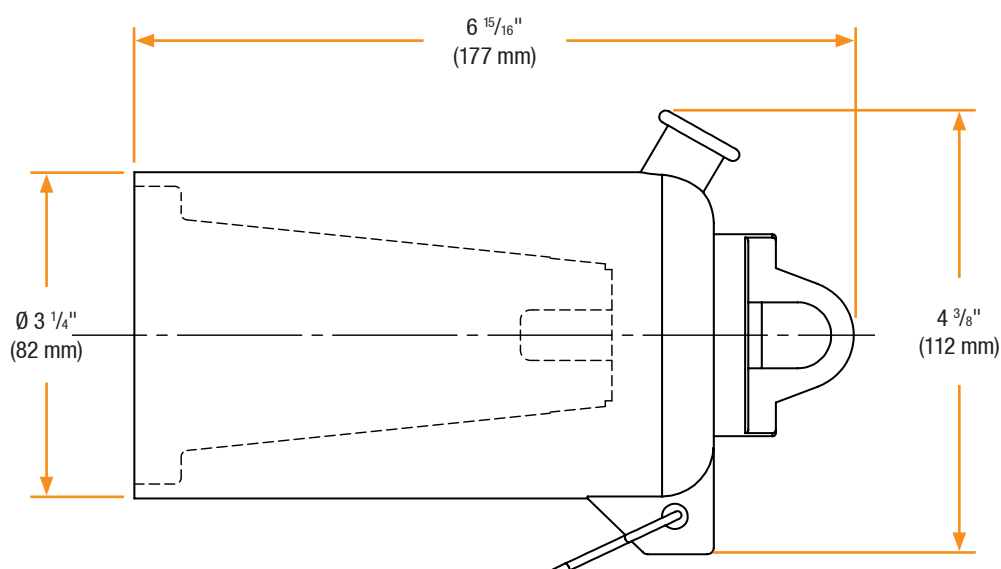
The Deadbreak Insulating Cap is molded with an integral threaded stud and supplied with a factory installed 48" #12 AWG tinned copper ground wire.



Features

- 100% EPDM Composition
- Injection Molded & Peroxide-Cured
- Made in the USA
- Fully-Shielded/Deadfront
- Submersible

Basic Dimensions



35kV Deadbreak Insulating Cap

Installation

35kV Deadbreak Insulating Cap installation is covered by:
RP-II-IC

Related Products

P635HIP-STUD

35kV Aluminum Threaded Stud

P935HIP-STUD

35kV Copper Threaded Stud

P635HIP

35kV Aluminum Insulating Plug

P935HIP

35kV Copper Insulating Plug

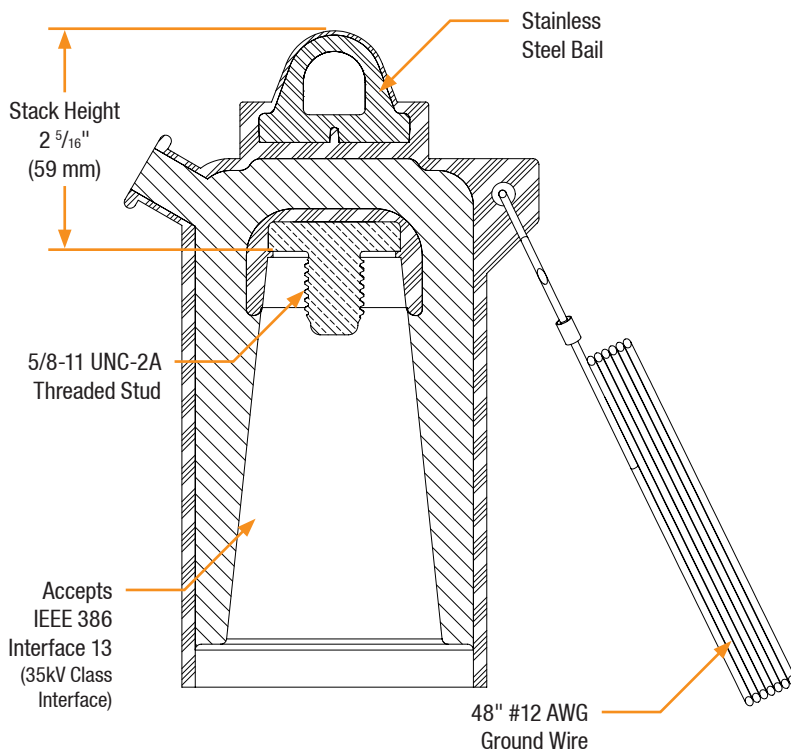
P635CPR

35kV 600A Deadbreak Connecting Plug

P935CPR

35kV 900A Deadbreak Connecting 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.®

100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

Richards Deadbreak Insulating Caps are designed to allow for production testing at 200kV BIL. For more information see our 200kV BIL Product Data Sheets or contact the factory.

Product Ratings

Voltage Ratings

| | |
|---|------------------------|
| Maximum Voltage Rating – (phase to ground) | 21.1kV |
| Corona Voltage Level – (partial discharge extinction voltage) | 26kV |
| AC Withstand – (1 minute) | 50kV |
| Impulse-Withstand Voltage – (BIL) | 162kV BIL [®] |

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 Insulating Cap 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

[®] Exceeds IEEE 386 requirement