Richards MANUFACTURING CO.

P635IC-200
P935IC-200

# 35kV 200kV BIL Deadbreak Insulating Cap

Product Data Sheet

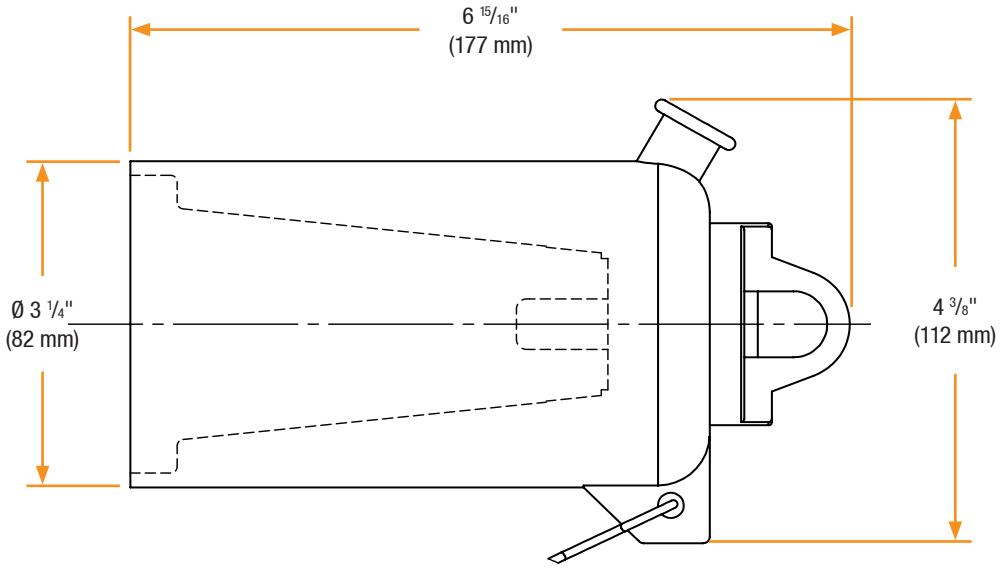
The Richards 35kV Deadbreak Insulating Cap provides a means to insulate 600 or 900A 35kV Deadbreak interfaces (IEEE 386, Interface 13). The Deadbreak Cap is often utilized to insulate unused positions on Deadbreak Junctions or to insulate an R-Stack, Connecting Plug or Apparatus Bushing interface.

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



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## 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

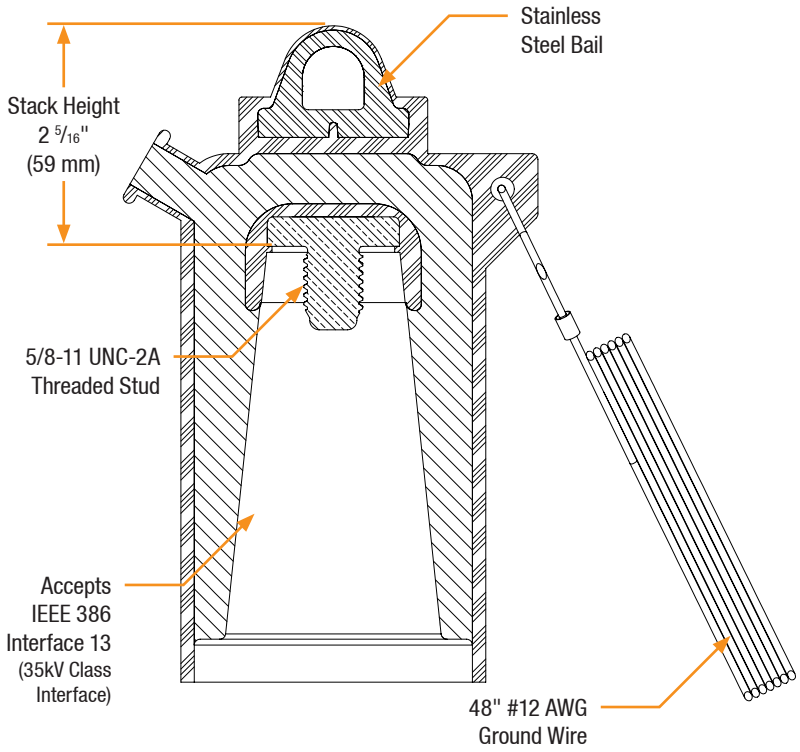
**P635HIP-200**
35kV 200kV BIL Aluminum Insulating Plug

**P935HIP-200**
35kV 200kV BIL Copper Insulating Plug

**P635CPR-200**
35kV 200kV BIL 600A Deadbreak Connecting Plug

**P935CPR-200**
35kV 200kV BIL 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

## 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® |
| Impulse-Withstand Voltage – (BIL) | 200kV 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*