

Chardon IEC 24kV 250A Insulated Protective Cap



APPLICATION

The Chardon 24kV 250A Insulated Protective Cap can be used for temporary or permanent applications and provides a submersible, fully shielded insulated cap for energized bushings. When installed on a IEC bushing interface or junctions, it is properly grounded using the attached drain wire, and providing physically seal and electrically insulate bushing interfaces.

The Chardon insulated cap design incorporates peroxide cured, EPDM insulation rubber, and a semi-conducting insert and outer shield. The outer conductive shield maintains ground potential on the cap's surface when a grounding wire is connected to a common ground.

KEY FEATURES

- / Provides a fully shielded and submersible connection when mated with the proper bushings.
- / EN-50180 Type "A" interface.
- / Mounting can be vertical, horizontal, or any angle in between.
- / No minimum phase clearance requirements.
- / 100% electrical tested at factory.

PRODUCTION TESTS

Tests conducted in accordance with IEC60502-4, HD629.1, GB/T12706.4.

- / Minimum Corona Voltage Level – 22 kV < 3 pC
- / AC 1 Minute Withstand – 60 kV
- / Impulse sampling test – 125kV

Tests conducted in accordance with Chardon manufacturing process requirements:

- / Physical Inspection
- / Periodic Dissection
- / Periodic X-ray Analysis

VOLTAGE RATINGS

Max. Rating Phase to Ground	24 kV
AC 60Hz 1 Minute Withstand	57 kV
Minimum Corona Voltage Level	22 kV < 10pC
BIL and Full Wave Crest	125 kV

Each kit includes the following:

- / Insulated Cap
- / Silicone Grease
- / Installation Instruction Sheet
- / Bail Assembly

DETAILED COMPOSITION OF THE CHARDON 24KV INSULATED CAP

/ DRAIN WIRE TAB

Drain wire tabs provide a convenient point to connect drain wire to ensure grounding of the connector shield. A drain wire is included with the product.

/ SEMICONDUCTING INSERT

Precision molded peroxide cured semiconducting insert provides corona-free electrostatic shielding of the connector.

/ PROBE

Brass probe provide esreliable conductive path with mating female contacts.

/ PULLING EYE

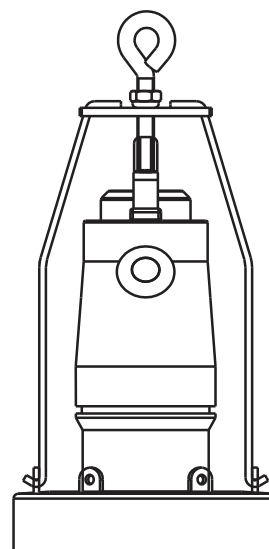
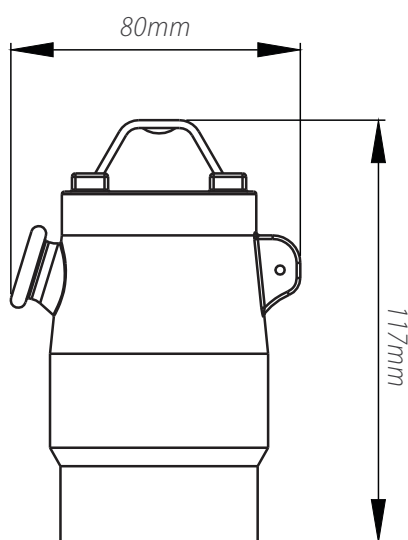
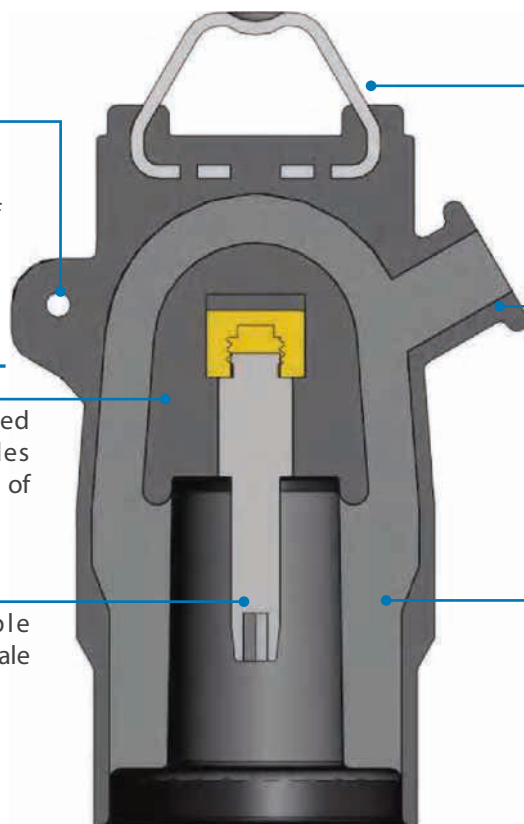
Stainless steel pulling eye for hotstick operations.

/ SEMICONDUCTING SHIELD

Precision molded peroxide cured semiconducting shield provides ground shield continuity.

/ INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated in-house for complete control of rubber characteristics.



ORDERING INFORMATION

24 kV, 250A Insulated Protective Cap

24-DIC250



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