

## 200A, 25 kV Class Loadbreak Protective (Insulating) Cap



## **APPLICATION**

The Chardon Protective Cap is an accessory product to other 25 kV, 200A products with loadbreak interfaces (bushing inserts, loadbreak junctions, feed thru inserts, etc.). It is designed to physically seal and electrically insulate loadbreak bushing interfaces. When installed on a loadbreak bushing interface, and

properly grounded using the attached drain wire, the Loadbreak Protective Cap provides a submersible, fully shielded insulated cap for energized bushings.

The Loadbreak Protective Cap can be used for temporary or permanent applications.

## **PRODUCTION TESTS**

Tests conducted in accordance with IEEE/ANSI Standard 386.

- / Partial Discharge 19 kV ≤5pC
- / AC 1 Minute Withstand 40 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

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

## **VOLTAGE RATINGS**

Voltage Class	25 kV
Max. Rating Phase to Phase	26.3 kV
Max. Rating Phase to Ground	15.2 kV
AC 1 Minute Withstand	40 kV
DC 15 Minute Withstand	78 kV
BIL and Full Wave Crest	125 kV
Partial Discharge	19 kV≤5pC

<sup>• 25</sup>LIC200-121825-REV02

# DETAILED COMPOSITION OF THE CHARDON LOADBREAK PROTECTIVE CAP

#### / DRAIN WIRE TAB

Drain wire tabs provide a convenient point to connect drain wire to ensure grounding of the connector shield.

#### **I SEMICONDUCTING INSERT**

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

#### / LATCHING RING

Semiconducting molded locking ring secures cap on nose piece of mating product.

#### / INSULATION LAYER

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

#### / PULLING EYE

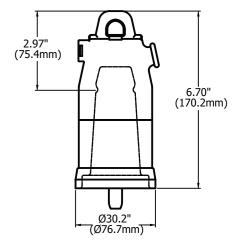
Molded in stainless steel pulling eye insures high strength for hotstick operation.

#### / SEMICONDUCTING SHIELD

Precision molded peroxide cured conducting shield provides ground shield continuity.

#### / PROBE

Brass probe provides reliable conductive path with mating female contacts.



## **ORDERING INFORMATION**

25 kV, 200A Loadbreak Protective Cap

25-LIC200



## ANHUI CHARDON ELECTRIC LTD.

No.808 Taiji Road Economic Develop Zone of Guangde County Anhui China

Tel: 0563-2216688 Fax: 0563-2251806

#### **CHARDON TAIWAN CORPORATION**

No.37 Min-Chie Road, Tung Lo Industrial Park, Miao Li, Taiwan 366

Tel:+886-37-984385 Fax:+886-37-984770

#### SHANGHAI CHARDON ELECTRICE LTD.

Room 1202, office building No.399, Yun Gu Road , Jiading district, Shanghai, China 201801

Tel: +86-21-39105900 Fax: +86-21-391059166

www.chardongroup.com/info@chardongroup.com