

## 200A, 25 kV Class Loadbreak Portable Feed Thru



## **APPLICATION**

The Chardon 200A, 25kV Class Loadbreak Portable Feed Thru is designed to be installed on a parking stand, attached to a transformer or other apparatus. Two bushing insert loadbreak interfaces can be mated with an elbow arrester, a loadbreak elbow, or an insulated cap. When mated with other products that meets IEEE Standard 386, the portable feed thru provides a fully shielded, submersible connection for loadbreak operation.

The Chardon Portable Feed Thru meets all the requirements of IEEE Standard 386, and is fully interhcangeable with competetior's products and mating products that also meet IEEE Standard 386. The indicating ring design eliminates the guesswork of loadbreak installation, it provides feedback to determine if the elbow is properly installed.

## **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**

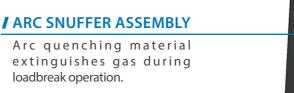
Voltage Class	25 kV
Max. Rating Phase to Phase	26.3 kV
Max. Rating Phase to Ground	15.2 kV
AC 1 Minute Withstand	40 kV
DC 15 Minute Withstand	78 kV
BIL and Full Wave Crest	125 kV
Partial Discharge	19 kV≤5pC

•25LPFT200-051116-REV01

## **CURRENT RATINGS**

Description	Test Parameters
Continuous	200 amps rms
Switching	10 operations at 200 amps rms at 26.3 kV
Fault Close	10,000 amps rms symmetrical at 26.3 kV for 0.17 s after 10 consecutive successful switching operations
Short Time	• 10,000 amps rms symmetrical for 0.17 s • 3,500 amps rms symmetrical for 3.0 s

# DETAILED COMPOSITION OF THE CHARDON LOADBREAK PORTABLE FEED THRU



#### / STOP RING

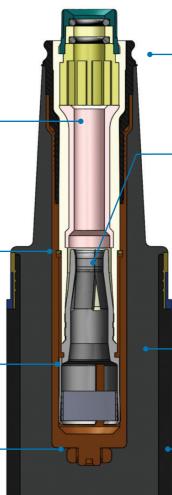
Limit piston and finger contact travel during fault close.

#### / CONTACT

Copper component transfers current from piston contact to bushing well stud.

#### **I** COPPER BUS BAR

Provide consistent current carry capability during operation.



#### **/** LOCKING GROOVE

Locking groove assures propera installation by "locking" into elbow.

#### / FINGER CONTACT

Tin plated copper contact provides a consistent current transfer during switching and fault close operations.

#### / INDICATOR RING

Bright yellow ring provides close indication and assures a quality connection.

#### / INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated inhouse for complete control of rubber resistance.

#### **I** CONDUCTING SHIELD

Precision molded peroxide cured conducting shield provides ground shield continuity.

## **ORDERING INFORMATION**

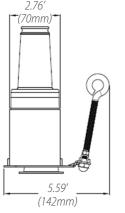
#### Each Portable Feed Thru kit includes the following:

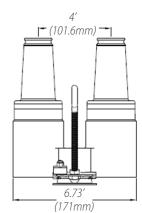
- / Portable Feed Thru with Bracket
- Shipping Cap (not for energized operation)
- Stainless Steel Bail Assembly
- Installation Instruction Sheet

To order the 25kV Class Portable Feed Thru Kit, use the P/N below:

25kV Loadbreak Portable Feed Thru

25-LPFT200







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