

250A, 17.5/24kV Class Deadbreak Bushing Insert



APPLICATION

The Chardon Deadbreak Bushing Insert threads into a standard 250A bushing well. It is a fully shielded, fully submersible separable connector designed for deadbreak operation. The Chardon Deadbreak Bushing Insert is suitable for 17.4/24 kV class systems and can be installed in transformers, switchgear or other apparatus when needed to connect with deadbreak connectors.

The Chardon Deadbreak Bushing Insert incorporates an all copper current path. This provides reliable and consistent performance under all conditions. The design meets all the requirements of HD629.1 , EN-50180 , EN50181 & IEC 60502, and is fully interchangeable with competitor's products and all mating products that also meet EN-50180 & EN-50181.

PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- / Minimum Corona Voltage Level – 22 kV < 3 pC
- / AC 1 Minute Withstand – 60 kV
- / Test Point Voltage Test

Tests conducted in accordance with Chardon manufacturing process requirements:

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

VOLTAGE RATINGS

Maximum Voltage Class (U _m)	24 kV
AC 5 Minute Withstand	57 kV
Minimum Corona Voltage Level	22 kV < 3pC
BIL and Full Wave Crest (Impulse)	125 kV

• 24-DBI250-REV01071621

CURRENT RATINGS

Continuous Current	250 A
Overload Current (8 hour maximum)	300 A

DETAILED COMPOSITION OF THE CHARDON DEADBREAK BUSHING INSERT

/ SEMICONDUCTING SHIELD

Precision molded peroxide cured semiconducting shield provides groundshield continuity and meets the requirements of IEEE Standard 592.

/ COPPER CONDUCTOR

Copper conductor ensure a cool running with maximum current transfer.

/ LOUVER CONTACT

The plated copper contact provides a consistent current transfer during operation.

/ DRAIN WIRE TAB

Drain wire table provide 3 convenient point to connect drain wire to ensure grounding of the connector shield.

/ THREADED CONNECTION TO BUSHING WELL

3/8"-16 UNC copper thread provides connection to bushing well.

/ INSULATION LAYER

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

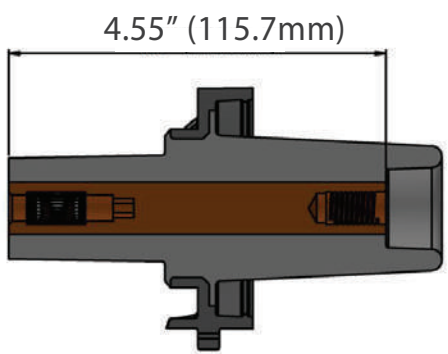
ORDERING INFORMATION

250A, 24 kV Deadbreak Bushing Insert

24-DBI250

Each portable feed thru kit includes the following:

- / Deadbreak Bushing Insert
- / Shipping Cap (not for energized operation)
- / Silicon Lubricant
- / Installation Instruction Sheet





CHARDON TAIWAN CORPORATION

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

Tel : +886-37-984385

Fax : +886-37-984770

www.chardongroup.com • info@chardongroup.com