

250A, 24 kV 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 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, EN-50181 & IEC 60502, and is fully interchangeable with competitor's products and mating products that meet EN-50180 & EN-50181.

Production Tests

Tests conducted in accordance with HD 629.1

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

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.

COPPER CONDUCTOR

Copper conductor ensure a cool running with maximum current transfer.

THREADED CONNECTION TO BUSHING WELL

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

LOUVER CONTACT

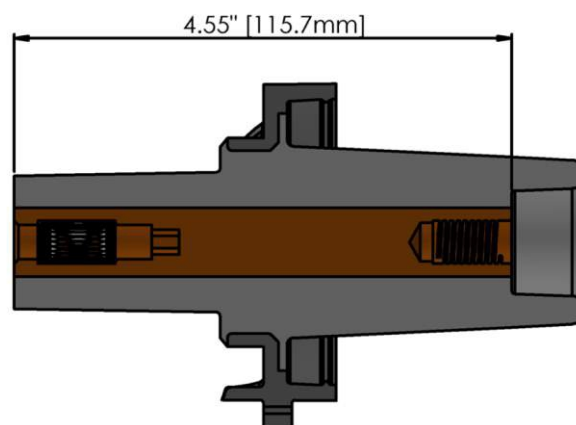
The plated copper contact provides a consistent current transfer during operation.

INSULATION LAYER

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

DRAIN WIRE TAB

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



ORDERING INFORMATION:

24 kV, 250A Deadbreak Bushing Insert

250A, 24 kV Deadbreak Bushing Insert

24-DBI250

Each kit Contains

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



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