

200 A 25 kV class insulated standoff bushing



General

Eaton's Cooper Power™ series 200 A, 25 kV insulated standoff bushing meets the full requirements of IEEE Std 386™-2006 standard – Separable Insulated Connector Systems and provides a single loadbreak interface made of high quality peroxide-cured EPDM rubber. It is used to isolate and sectionalize energized cable in pad-mounted cabinets, underground vaults, and other apparatus. Temporary or permanent parking of energized 200 A, 15.2/26.3 kV loadbreak elbow connectors that conform to IEEE Std 386™-2006 standard is simplified with use of the insulated standoff bushing.

The insulated standoff bushing is designed to be installed in the parking stand mounted on a transformer or other apparatus. A grounding lug is provided on the standoff bushing bracket for attachment of a drain wire to ensure deadfront construction. When mated with a comparably rated product, the insulated standoff bushing provides a fully-shielded, submersible, separable connector for energized operation.

The standard insulated standoff bushing has a stainless steel eyebolt with a brass pressure foot. The molded peroxide-cured EPDM rubber body is bolted to a stainless steel base bracket using a galvanized steel holddown ring. A completely stainless steel bracket assembly is available for extremely corrosive environments.

Installation

No special tools are required. A clampstick tool is used to place the standoff bushing in the parking stand on the front plate of the apparatus. Refer to *Service Information S500-22-1, 200 A 15, 25, and 35 kV Class Insulated Standoff Bushing Installation Instructions* for details.

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Production tests

Tests conducted in accordance with IEEE Std 386™-2006 standard:

- AC 60 Hz 1 Minute Withstand
 - 40 kV
- Minimum Corona Voltage Level
 - 19 kV

Tests conducted in accordance with Eaton requirements:

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

Table 1. Voltage Ratings and Characteristics

Description	kV
Standard Voltage Class	25
Maximum Rating Phase-to-Ground	15.2
AC 60 Hz 1 Minute Withstand	40
DC 15 Minute Withstand	78
BIL and Full Wave Crest	125
Minimum Corona Voltage Level	19

Voltage ratings and characteristics are in accordance with IEEE Std 386™-2006 standard.

Ordering information

To order the 25 kV Insulated Standoff Bushing Kit, refer to Table 2.

Each kit contains:

- Insulated Standoff Bushing with Bracket
- Shipping Cap (not for energized operation)
- Installation Instruction Sheet

Table 2. Standoff Bushing Kit

Description	Catalog Number
Standoff Bushing with Standard Bracket	ISB225
Standoff Bushing with Stainless Steel Bracket	ISB225S

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For Eaton's Cooper Power series insulated standoff bushing product information call 1-877-277-4636 or visit: www.cooperpower.com.