

# 200 A 35 kV class insulated standoff bushing



## General

Eaton's Cooper Power Systems 200 A, 35 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 insulating 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 IEEE Std 386™-2006 standard loadbreak elbow connectors is simplified with use of the insulated standoff bushing. Dual colored (tan and purple) nosepiece designated application with both single-phase (21.1 kV) and (21.1/36.6 kV) rated 35 kV Class 200 A large interface loadbreak elbow connectors.

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 EPDM rubber body is bolted to a stainless steel base bracket using a galvanized steel holddown ring.

## 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.

### Production tests

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

- AC 60 Hz 1 Minute Withstand
  - 50 kV
- Minimum Corona Voltage Level
  - 26 kV

Tests are conducted in accordance with Eaton's Cooper Power Systems requirements.

- Physical Inspection
- Periodic Dissection
- Periodic X-Ray Analys

**Table 1. Voltage Ratings and Characteristics**

Description	kV
Standard Voltage Class	35
Maximum Rating Phase-to-Ground	21.1
AC 60 Hz 1 Minute Withstand	50
DC 15 Minute Withstand	103
BIL and Full Wave Crest	150
Minimum Corona Voltage Level	26

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

### Ordering information

To order the 35 kV Class Insulated Standoff Bushing Kit, refer to Table 2.

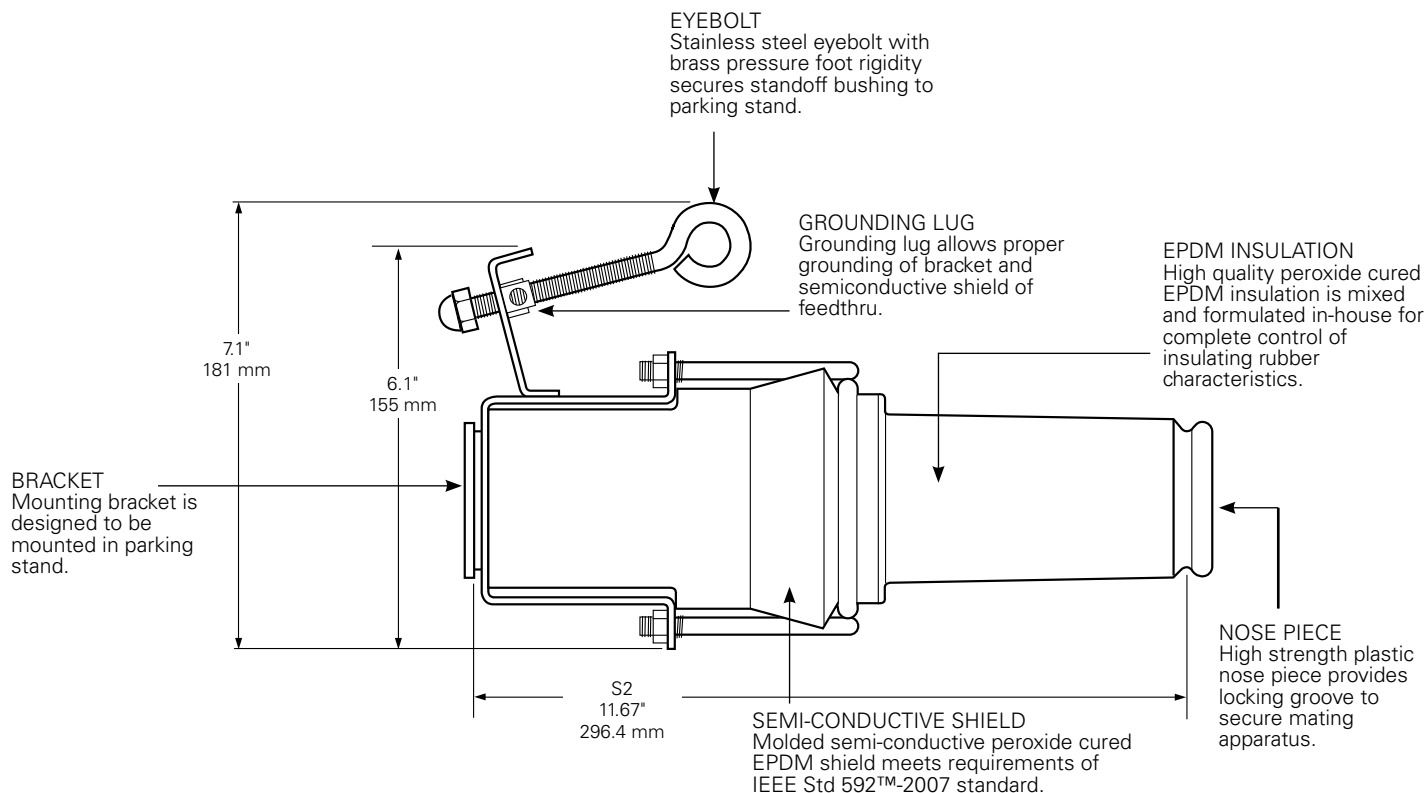
**Table 2. Standoff Bushing Kit**

Description	Catalog Number
Standoff Bushing with Standard Bracket	ISB235

Each kit contains:

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

**Features and detailed description**



**Figure 1. Insulated standoff bushing profile and stacking dimensions.**

**Note:** Dimensions given are for reference only.

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For Eaton's Cooper Power Systems insulated standoff bushing product information call 1-877-277-4636 or visit: [www.cooperpower.com](http://www.cooperpower.com).