

200 A 25 and 28 kV class insulated standoff bushing-Canadian Edition



General

Eaton's Cooper Power™ series 200 A, 25 and 28 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, 25 kV and 28 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
 - 25 kV - 40 kV
 - 28 kV - 45 kV
- Minimum Corona Voltage Level
 - 25 kV - 19 kV
 - 28 kV - 21.5 kV
- Test Point Voltage Test

Tests conducted in accordance with Eaton requirements:

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

Ordering information

To order the 25 and 28 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	
	25 kV	28 kV
Standoff Bushing with Standard Bracket	ISB225	ISB228
Standoff Bushing with Stainless Steel Bracket	ISB225S	ISB228S

Table 1. Voltage Ratings and Characteristics

Description	25 kV	28 kV
Standard Voltage Class	25	25
Maximum Rating Phase-to-Ground	15.2	16.2
AC 60 Hz 1 Minute Withstand	40	45
DC 15 Minute Withstand	78	100
BIL and Full Wave Crest	125	125
Minimum Corona Voltage Level	19	21.5

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

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton's Cooper Power Systems Division
2300 Badger Drive
Waukesha, WI 53188
United States
Cooperpower.com

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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.