

600 A 15/25 kV class PUSH-OP® insulated standoff bushing



General

Eaton's Cooper Power™ series 600 A, 15/25 kV PUSH-OP® insulated standoff bushing meets the full requirements of IEEE 386™-2006 standard — Separable Insulated Connector Systems and provides a single deadbreak interface made of high quality insulating epoxy material.

It is used in switchgear, transformers, and other apparatus to isolate and sectionalize an energized cable. Temporary or permanent parking of energized 600 A 15/25 kV PUSH-OP deadbreak connectors is simplified with the use of an insulated standoff bushing.

The PUSH-OP insulated standoff bushing is designed to be installed in the parking stand mounted on switchgear, transformers, or other apparatus. A drain wire lug is provided on the standoff bracket for attachment of a drain wire to ensure deadfront construction. The bushing provides a fully shielded, submersible connection for deadbreak operation.

All standoff bushing brackets have a stainless steel eyebolt with a brass pressure foot. The bushing body is bolted to a stainless steel base bracket using a stainless steel bolt. The bracket and latch mechanism provide easy installation of a PUSH-OP connector without any threading operations. The optional hitch pin locks the latch mechanism in place for added security.

Installation

A clampstick tool is used to place the standoff bushing in the parking stand on the front plate of the apparatus. The PUSH-OP connector is then installed onto the standoff bushing. Refer to *Service Information S600-65-1 600 A 15/25 and 35 kV Class PUSH-OP Insulated Standoff Bushing Installation Instructions* for complete installation details on the PUSH-OP insulated standoff bushing.

EATON

Powering Business Worldwide

Production tests

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

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

Tests are conducted in accordance with Eaton requirements.

- Physical Inspection
- Periodic Fluoroscopic Analysis

Table 1. Voltage Ratings and Characteristics— Insulated Standoff Bushing

| 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 a 15/25 kV Class Standoff Bushing Kit for the PUSH-OP bushing, refer to Table 2.

Table 2. Standoff Bushing Kit

| Description | Catalog Number |
|---|----------------|
| Insulated Standoff Bushing | PISB625 |
| Insulated Standoff Bushing with hitch Pin | PISB625HP |

Each kit contains:

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

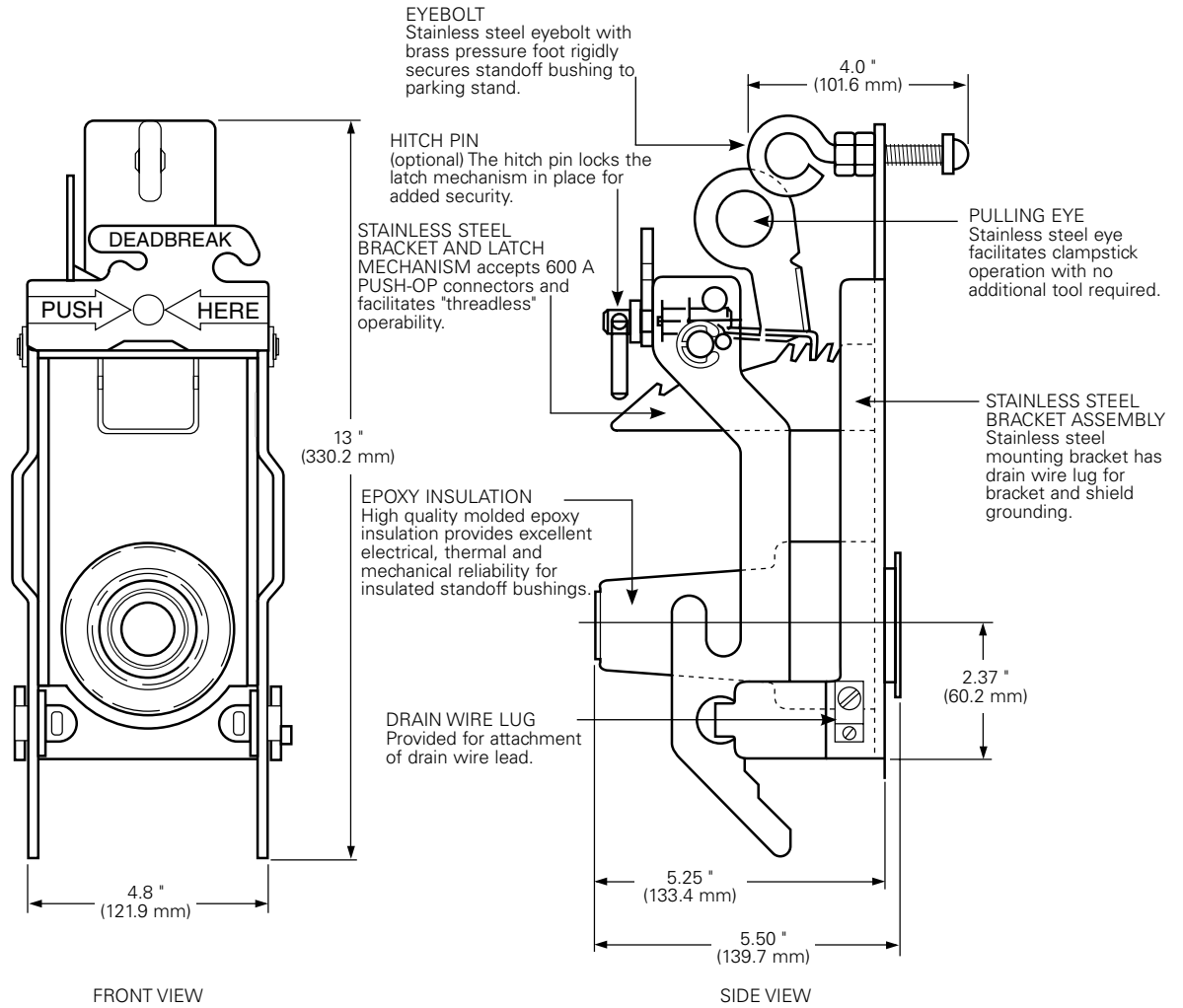


Figure 1. Front view shows standoff bushing and latch mechanism. Side view shows standoff bushing and latch mechanism with bracket assembly.

Note: Dimensions given are for reference only.

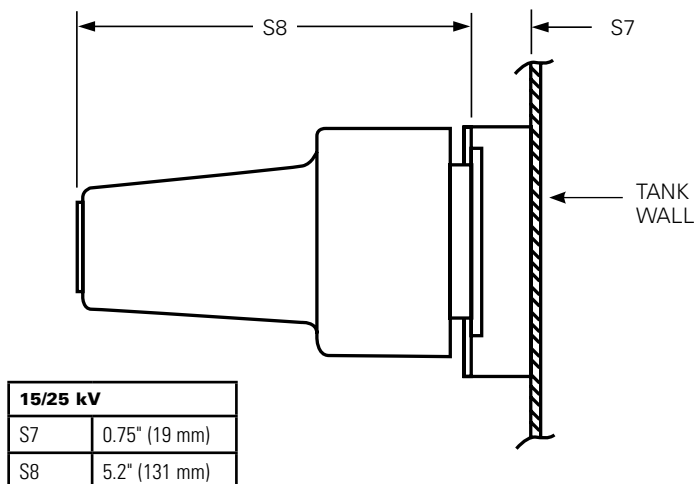


Figure 2. PUSH-OP stacking dimensions.

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
Eaton.com/cooperpowerseries

© 2015 Eaton
All Rights Reserved
Printed in USA
Publication No. CA650064EN

Eaton is a registered trademark.
All other trademarks are property
of their respective owners.

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