

# 200 A 15 and 25 kV class bushing well insulated plug-Canadian Edition



## General

Eaton's Cooper Power™ series 200 A, 15 and 25 kV and 28 kV Class bushing well insulated plug meets the full requirements of IEEE Std 386™-2006 standard – Separable, Insulated Connector Systems. The bushing well plug provides an insulated, fully shielded, submersible cover for an unused 15/25 kV or 28 kV Class bushing well in deadfront equipment. The body is molded of high quality EPDM insulation and has a molded semi-conductive EPDM shield. A molded ground tab on the shield allows attachment of ground wire to ensure deadfront construction.

## Installation

No special tools are required. The bushing well insulated plug is inserted in the bushing well of de-energized apparatus using a clampstick tool. Refer to Installation Instruction Sheet S500-20-1 for details.

## Production tests

Tests are 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 are conducted in accordance with Eaton requirements.

- Physical Inspection
- Periodic Dissection
- Periodic Fluoroscopic Analysis

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**Table 1. Voltage Ratings and Characteristics**

Description	25 kV	28 kV
Standard Voltage Class	25	28
Maximum Rating Phase-to-Phase	26.3	28
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

**Ordering information**

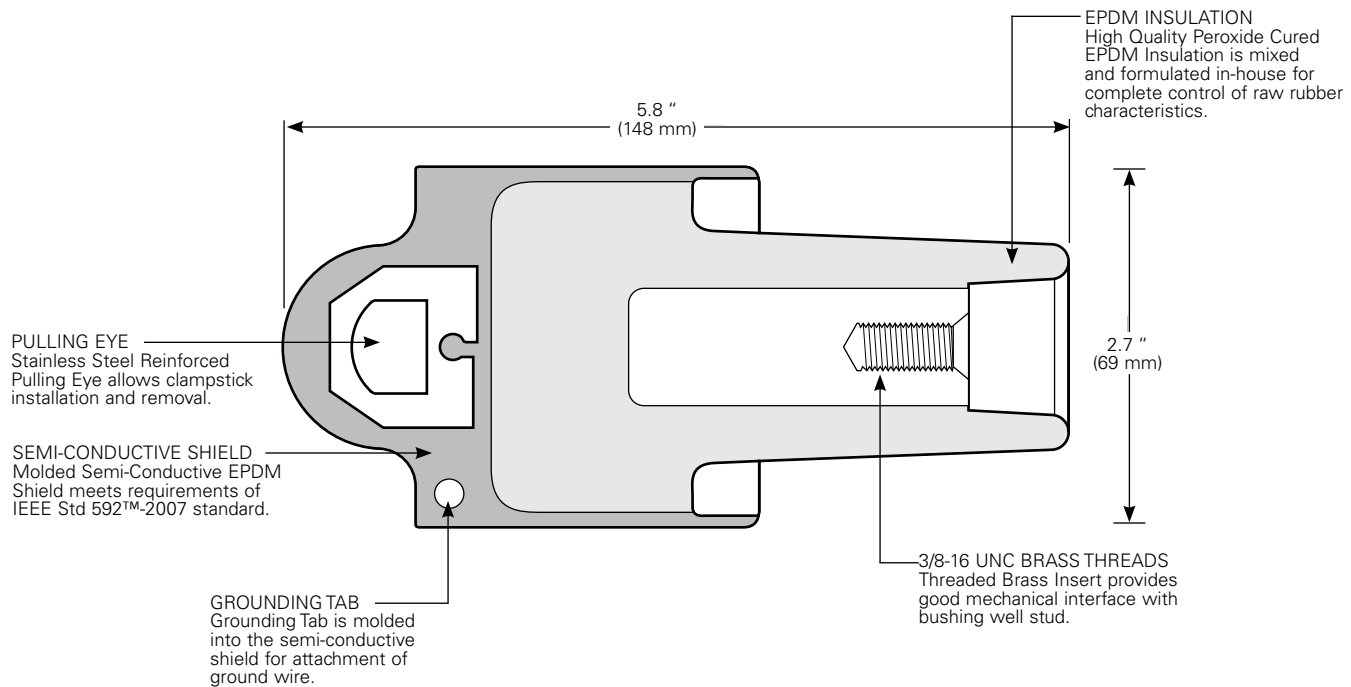
To order the 15/25 kV and 28 kV Class bushing well insulated plug kit, refer to Table 2.

**Table 2. Bushing Well Insulated Plug Kit**

Description	Catalog Number	
	15/25 kV	28 kV
Bushing Well Insulated Plug	IBWP225	IBWP228

Each kit contains:

- Bushing Well Insulated Plug
- Silicone Lubricant
- Installation Instruction Sheet



**Figure 1. Dimensional drawing shows insulation layers and threaded brass insert for solid interface.**

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

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