

200 A 15 kV class insulated protective cap



General

Eaton's Cooper Power™ series insulated protective cap is an accessory device designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, the insulated protective cap provides a fully shielded, submersible insulating cover for energized bushings. The cap can be used for permanent or temporary installation on bushings, junctions or feedthru devices that meet the requirements of IEEE Std 386™-2006 standard.

Installation

No special tools are required. A shotgun stick tool is used to place the protective cap on an exposed bushing interface. Refer to *Service Information S500-21-1 200 A 15, 25, and 35 kV Class Insulated Protective Cap Installation Instructions* for details.

Production tests

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

- AC 60 Hz 1 Minute Withstand
 - 34 kV
- Minimum Corona Voltage Level
 - 11 kV

Tests are conducted in accordance with Eaton requirements.

- Physical Inspection
- Periodic Dissection
- Periodic Fluoroscopic Analysis

Features and detailed description

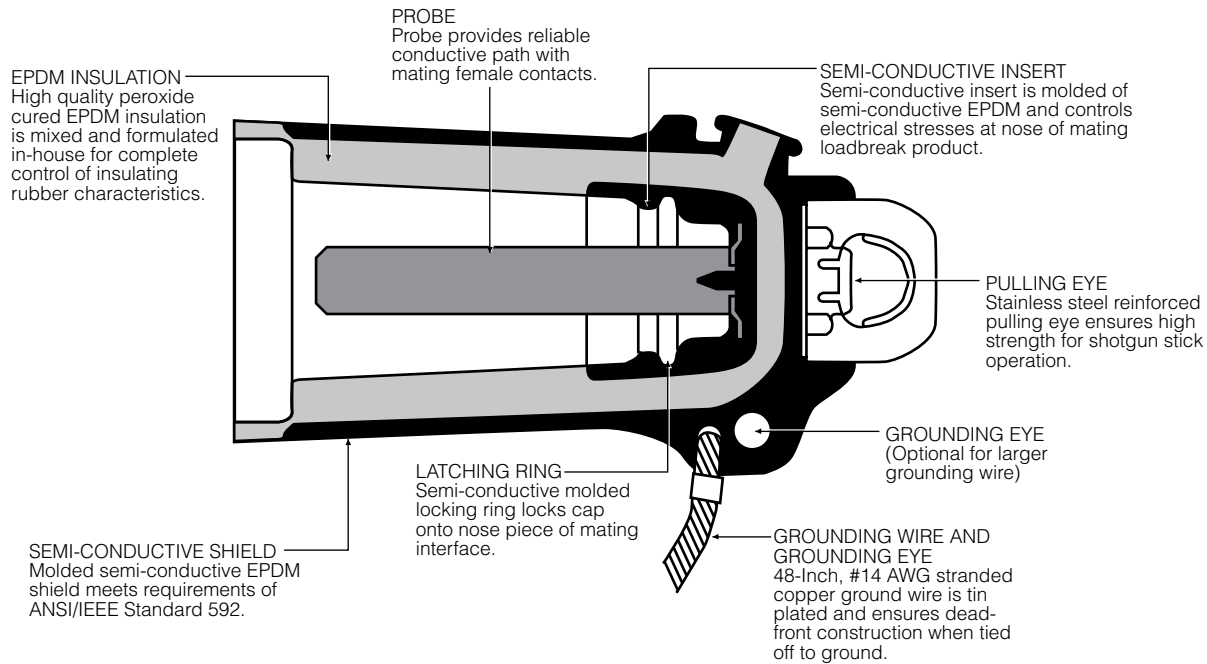


Figure 1. Illustration shows construction of insulated protective cap.

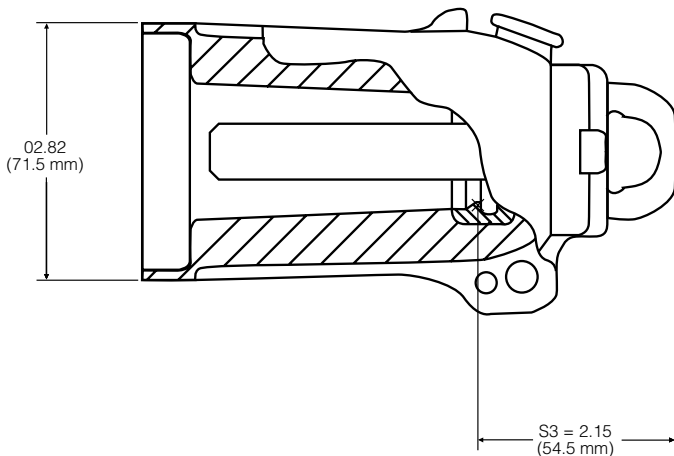


Figure 2. 15 kV insulated protective cap profile and stacking dimensions.

Table 1. Voltage Ratings and Characteristics

Description	kV
Standard Voltage Class	15
Maximum Rating Phase-to-Phase	14.4
Maximum Rating Phase-to-Ground	8.3
AC 60 Hz 1 Minute Withstand	34
DC 15 Minute Withstand	53
BIL and Full Wave Crest	95
Minimum Corona Voltage Level	11

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

Ordering information

To order the 15 kV Class Insulated Protective Cap Kit, refer to Table 2.

Table 2. Insulated Protective Cap Kit

Description	Catalog Number
Protective Cap	LPC 215

Each kit contains:

- Protective Cap with stranded copper ground wire
- Silicone Lubricant
- Installation Instruction Sheet

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