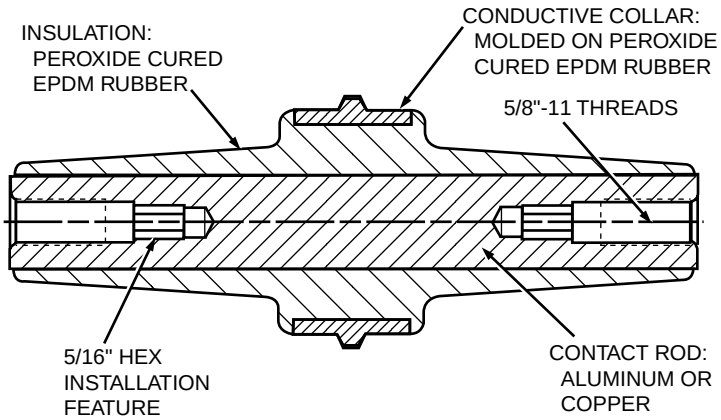
COOPER Power Systems

PRODUCT BRIEF

15/25 & 35 kV 600 A Connector Plug

Application Description: The 15/25 and 35 kV 600 A Deadbreak Connector Plugs (DCP) are used to connect two or more 600 A deadbreak terminators. Deadbreak Connector plugs are typically used in a separable splice, or with a bushing extender, to increase the distance from the apparatus front plate to the 600 A terminator, easing cable training.

The connector plug meets all applicable IEEE-386 Standards, maintaining full interchangeability with all manufacturers' mating component items.



Design Features: EPDM peroxide-cured rubber replaces thermoset epoxy plastic as the insulating material in the new connecting plug. This results in a lighter, easier to install connector plug that is less susceptible to installation damage. The painted-on conductive ground shield has been replaced by a molded-on peroxide-cured EPDM rubber shield. Utilizing a field proven, molded-on ground shield ensures maximum voltage stress relief, as well as deadfront safety and reliability. The current-carrying component is an industry standard, 5/8"-11 threaded rod, available in both aluminum and copper. A 5/16" installation hex has been

added at the base of each of the threaded ends. This hex is used to secure the connecting plug during field installation.

Part Numbers: In conjunction with these changes, catalog numbers were also converted to significant numbers. The base catalog numbers affected by these changes and competitive cross reference follow:

Competitive Cross Reference

Old Cooper Cat. No.	New Cooper Cat. No.	Elastimold Cat. No.	Hubbell/Chardon Cat. No.	
15/25 kV	15/25 kV	15/25 kV	15 kV	25 kV
2637194B01M	DCP625AS	K650CPSP	9U60ACP	9U60BCP
2637194B02M	DCP625A	K650CP	9U60ACPS	9U60BCPS
2637194B06M	DCP625CS	K675CPSP	No Offering	No Offering
2637194B07M	DCP625C	K675CP	No Offering	No Offering
35 kV	35 kV	35 kV	35 kV	
2637199B01M	DCP635AS	750CPSP	No Offering	
2637199B02M	DCP635A	750CP	No Offering	
2637199B03M	DCP635CS	775CPSP	No Offering	
2637199B04M	DCP635C	775CP	No Offering	

Installation: Installation is accomplished using tools found on all line trucks. A standard 5/16" socket hex drive or T-wrench is used to secure the connector plug while the mating insulating plug is torqued in. Older designs utilized a spanner wrench to secure the connector plug. Securing the connector plug by this hex keeps all installation forces directly in line with the threaded components. This reduces the chance of cross threading due to the off-center forces created during installation with a spanner wrench. Previous designs required spanner wrench holes molded into the conductive ground shield. These holes, and the conductive ground shield, were often damaged by the spanner wrench slipping when torque was applied to the insulating plug. This damage compromises the integrity of the conductive ground shield and long term system reliability.

Specification: To ensure you have the most reliable, easy to install, 600 A connector system possible, your connector plug specification should include:

- Manufactured in full compliance with all applicable IEEE Standards 386 and 592.
- Full interchangeability with all manufacturers' 600 A component items compliant with these standards.
- Manufactured from EPDM rubber.
- Molded on EPDM ground shield.
- Installation shall utilize a 5/16" hex wrench.

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