

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 25kV

By Electro Composites  
 Catalog # [150-060-G-616-00](#)

SDC™ 25kV-6000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 3" Min. Oil Immersion Level/Ground Shield Length, 36.4" Min. Creepage Length



\*Representative Image

#### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01/C57.19.04 Electrical and Mechanical Requirements

#### General

|  |   |
|--|---|
| Application                            | GSU                                       |
| Bottom Terminal Type                   | 1x Blade with 4x 0.69 Dia Holes           |
| Color                                  | Gray                                      |
| Immersion Type - Above Flange          | Air                                       |
| Immersion Type - Below Flange          | Oil                                       |
| Material - Flange                      | Aluminum                                  |
| Material - Insulation                  | APG-15NA - High Temp Cycloaliphatic Epoxy |
| Mounting Position                      | Vertical to Horizontal                    |
| Number of Bolt Holes - Bottom Terminal | 4   |
| Number of Bolt Holes - Top Terminal    | 24  |
| Number of Flange Mounting Holes        | 6   |
| Plating - Bottom Terminal              | Silver                                    |
| Test Tap                               | Yes                                       |
| Top Terminal Plating                   | Silver                                    |
| Top Terminal Type                      | 4x Blades with 6x 0.69 Dia Holes          |
| Type                                   | SDC - Solid Dielectric Capacitor          |

#### Dimensions

|   |                                |
|---|--------------------------------|
| Above Flange Length                         | 23 in                          |
| Below Flange Length                         | 15.5 in                        |
| Diameter - Above Flange Maximum             | 13.00 in                       |
| Diameter - Below Flange Maximum D <gt;/> 1" | 8.38 in                        |
| Diameter - Below Flange Maximum P           | 8.38 in                        |
| Diameter - Live Part Bottom                 | 8.38 in                        |
| Diameter - Live Part Top                    | 9.91 in                        |
| Dimensions                                  | 38.50 in x 14.00 in x 14.00 in |
| Effective Length - Bottom Terminal          | 4.20 in                        |
| Effective Length - Top Terminal             | 3.88 in                        |
| Flange Mounting Hole Bolt Circle            | 12.25 in                       |
| Flange Mounting Hole Diameter               | 0.88 in                        |
| Flange Outside Diameter                     | 14 in                          |
| Height                                      | 14 in                          |
| Length                                      | 38.5 in                        |
| Length - Ground Shield                      | 3.00 in                        |
| Length - Insulation Above Flange            | 14.10 in                       |
| Length - Insulation Below Flange            | 6.61 in                        |
| Length - Live Part Bottom                   | 5.89 in                        |
| Length - Live Part Top                      | 4.80 in                        |
| Length - Minimum Oil Immersion Level        | 3.00 in                        |
| Sealing Surface Inside Diameter             | 9.87 in                        |
| Sealing Surface Outside Diameter            | 11.37 in                       |
| Weight                                      | 247 lb                         |
| Width                                       | 14 in                          |

## Electrical Ratings

|                               |         |
|-------------------------------|---------|
| BIL                           | 150 kV  |
| Current Rating                | 6000 A  |
| Minimum Creepage              | 36.4 in |
| Minimum Strike                | 15.1 in |
| Withstand Voltage - 60 Hz Dry | 60 kV   |
| kV Class                      | 25 kV   |

## Certifications And Compliance

Industry Standard(s) IEEE C57.19.01/C57-19.04

## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 616-00\\_6790-6430](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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