

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 25kV

By Electro Composites  
 Catalog # [150-140-G-614-00](#)

SDC™ 25kV-14000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 27" Min. Oil Immersion Level/CT Pocket Length, 30.2" 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                   | 2x Blades with 6x 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 | 12  |
| Number of Bolt Holes - Top Terminal    | 40  |
| Number of Flange Mounting Holes        | 12  |
| Plating - Bottom Terminal              | Silver                                    |
| Test Tap                               | Yes                                       |
| Top Terminal Plating                   | Silver                                    |
| Top Terminal Type                      | 4x Blades with 10x 0.69 Dia Holes         |
| Type                                   | SDC - Solid Dielectric Capacitor          |

#### Dimensions

|   |                                |
|---|--------------------------------|
| Above Flange Length                         | 20.75 in                       |
| Below Flange Length                         | 44.5 in                        |
| Diameter - Above Flange Maximum             | 15.75 in                       |
| Diameter - Below Flange Maximum D <gt;/> 1" | 12.50 in                       |
| Diameter - Below Flange Maximum P           | 13.02 in                       |
| Diameter - Live Part Bottom                 | 12.50 in                       |
| Diameter - Live Part Top                    | 13.81 in                       |
| Dimensions                                  | 65.25 in x 22.50 in x 22.50 in |
| Effective Length - Bottom Terminal          | 4.63 in                        |
| Effective Length - Top Terminal             | 3.88 in                        |
| Flange Mounting Hole Bolt Circle            | 21 in                          |
| Flange Mounting Hole Diameter               | 0.88 in                        |
| Flange Outside Diameter                     | 22.5 in                        |
| Height                                      | 22.5 in                        |
| Length                                      | 65.25 in                       |
| Length - Ground Shield                      | 27.00 in                       |
| Length - Insulation Above Flange            | 12.90 in                       |
| Length - Insulation Below Flange            | 10.20 in                       |
| Length - Live Part Bottom                   | 7.30 in                        |
| Length - Live Part Top                      | 4.80 in                        |
| Length - Minimum Oil Immersion Level        | 27.00 in                       |
| Sealing Surface Inside Diameter             | 13.11 in                       |
| Sealing Surface Outside Diameter            | 20.12 in                       |
| Weight                                      | 587 lb                         |
| Width                                       | 22.5 in                        |

## Electrical Ratings

|                               |         |
|-------------------------------|---------|
| BIL                           | 150 kV  |
| Current Rating                | 14000 A |
| Minimum Creepage              | 30.2 in |
| Minimum Strike                | 13.6 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 - 614-00\\_6657-6415](#)

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



A Hubbell brand