

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 15KV

By Electro Composites  
 Catalog # 110-020-W-901-00

SDC™ 15kV-2000A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 2.0" Ground Shield Length, 13.9" Min. Creepage Length



\*Representative Image

#### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements

#### General

|                                 |                                  |
|---------------------------------|----------------------------------|
| Application                     | Wall/Floor                       |
| Bottom Terminal Type            | 1 1/2-12                         |
| Color                           | Gray                             |
| Immersion Type - Above Flange   | Air                              |
| Immersion Type - Below Flange   | Air                              |
| Material - Flange               | Aluminum                         |
| Material - Insulation           | APG-02 - Cycloaliphatic Epoxy    |
| Mounting Position               | Vertical to Horizontal           |
| Number of Flange Mounting Holes | 4                                |
| Plating - Bottom Terminal       | None                             |
| Test Tap                        | Yes                              |
| Top Terminal Plating            | None                             |
| Top Terminal Type               | 1 1/2-12                         |
| Type                            | SDC - Solid Dielectric Capacitor |

#### Dimensions

|  |                              |
|--|------------------------------|
| Above Flange Length                    | 12.5 in                      |
| Below Flange Length                    | 14.5 in                      |
| Diameter - Above Flange Maximum        | 5.21 in                      |
| Diameter - Below Flange Maximum D > 1" | 2.76 in                      |
| Diameter - Below Flange Maximum P      | 2.94 in                      |
| Diameter - Live Part Bottom            | 1.50 in                      |
| Diameter - Live Part Top               | 3.00 in                      |
| Dimensions                             | 27.00 in x 8.50 in x 8.50 in |
| Effective Length - Bottom Terminal     | 4.00 in                      |
| Effective Length - Top Terminal        | 2.50 in                      |
| Flange Mounting Hole Bolt Circle       | 7.25 in                      |
| Flange Mounting Hole Diameter          | 0.88 in                      |
| Flange Outside Diameter                | 8.5 in                       |
| Height                                 | 8.5 in                       |
| Length                                 | 27 in                        |
| Length - Drawlead Above Flange         | NA                           |
| Length - Ground Shield                 | 2.00 in                      |
| Length - Insulation Above Flange       | 5.70 in                      |
| Length - Insulation Below Flange       | 9.30 in                      |
| Length - Live Part Bottom              | 5.20 in                      |
| Length - Live Part Top                 | 3.50 in                      |
| Length - Minimum Oil Immersion Level   | NA                           |
| Sealing Surface Inside Diameter        | 3.01 in                      |
| Sealing Surface Outside Diameter       | 6.37 in                      |
| Top Terminal Min. Thread Length        | 2.5 in                       |
| Weight                                 | 28 lb                        |
| Width                                  | 8.5 in                       |

## Electrical Ratings

|                               |         |
|-------------------------------|---------|
| BIL                           | 110 kV  |
| Current Rating                | 2000 A  |
| Minimum Creepage              | 13.9 in |
| Minimum Creepage - Inside     | 7.9 in  |
| Minimum Strike                | 6.7 in  |
| Minimum Strike - Inside       | 7.9 in  |
| Withstand Voltage - 60 Hz Dry | 50 kV   |
| kV Class                      | 15 kV   |

## Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Literature - SDC™ HV Bushings - Electro Composites](#)  
[Sales Drawings - SDC Bushing 15kV, 2000A Model: 110-020-W-901-00](#)  
[Video - ElectroComposites Factory Tour: St. Jerome](#)



A Hubbell brand