

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 27kV

By Electro Composites  
 Catalog # 150-020-W-1006-00



SDC™ 27kV-2000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C37.017, Bottom Connected for Air-to-Air Applications, 6.25" Ground Shield Length, 30.6" Min. Creepage Length

#### 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 C37.017 Electrical and Mechanical Requirements

#### General

|  |                                  |
|--|----------------------------------|
| Application                            | Wall/Floor                       |
| Bottom Terminal Type                   | 1x Blade with 2x 0.56 Dia Holes  |
| 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 Bolt Holes - Bottom Terminal | 2                                |
| Number of Flange Mounting Holes        | 4                                |
| Plating - Bottom Terminal              | Silver                           |
| Test Tap                               | No                               |
| Top Terminal Plating                   | Silver                           |
| Top Terminal Type                      | 1 1/2-12                         |
| Type                                   | SDC - Solid Dielectric Capacitor |

#### Dimensions

|  |                              |
|--|------------------------------|
| Above Flange Length                    | 18.25 in                     |
| Below Flange Length                    | 21.82 in                     |
| Diameter - Above Flange Maximum        | 8.64 in                      |
| Diameter - Below Flange Maximum D > 1" | 4.49 in                      |
| Diameter - Below Flange Maximum P      | 5.03 in                      |
| Diameter - Live Part Bottom            | 1.50 in                      |
| Diameter - Live Part Top               | 3.00 in                      |
| Dimensions                             | 40.07 in x 9.00 in x 9.00 in |
| Effective Length - Bottom Terminal     | 3.25 in                      |
| Effective Length - Top Terminal        | 2.50 in                      |
| Flange Mounting Hole Bolt Circle       | 7.5 in                       |
| Flange Mounting Hole Diameter          | 0.75 in                      |
| Flange Outside Diameter                | 9 in                         |
| Height                                 | 9 in                         |
| Length                                 | 40.07 in                     |
| Length - Ground Shield                 | 6.25 in                      |
| Length - Insulation Above Flange       | 11.30 in                     |
| Length - Insulation Below Flange       | 11.37 in                     |
| Length - Live Part Bottom              | 4.20 in                      |
| Length - Live Part Top                 | 3.30 in                      |
| Length - Minimum Oil Immersion Level   | NA                           |
| Sealing Surface Inside Diameter        | 5.11 in                      |
| Sealing Surface Outside Diameter       | 6.75 in                      |
| Top Terminal Min. Thread Length        | 2.5 in                       |
| Weight                                 | 62 lb                        |
| Width                                  | 9 in                         |

## Electrical Ratings

|                               |          |
|-------------------------------|----------|
| BIL                           | 150 kV   |
| Current Rating                | 2000 A   |
| Minimum Creepage              | 30.6 in  |
| Minimum Creepage - Inside     | 17.30 in |
| Minimum Strike                | 13.6 in  |
| Minimum Strike - Inside       | 12.70 in |
| Withstand Voltage - 60 Hz Dry | 60 kV    |
| kV Class                      | 27 kV    |

## Certifications And Compliance

Industry Standard(s) IEEE C37.017

## Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)  
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Sales Drawings - 1006-00\\_1548-9498](#)  
[Video - ElectroComposites Factory Tour: St. Jerome](#)



A Hubbell brand