

## SDC™ Composite Bushing - 69kV

By Electro Composites  
Catalog # 350-012-W-635-01

SDC™ 69kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 3" Ground Shield Length, 53.4" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Wall/Floor

### General

|                                 |                               |
|---------------------------------|-------------------------------|
| Bottom Terminal Type            | 1.500 Dia Smooth              |
| 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 | 6                             |
| Plating - Bottom Terminal       | None                          |
| Test Tap                        | Yes                           |
| Top Terminal Plating            | None                          |
| Top Terminal Type               | 1.500 Dia Smooth              |
| Type                            | Condenser Bushings            |

### Dimensions

|   |          |
|---|----------|
| Above Flange Length                         | 29.05 in |
| Below Flange Length                         | 29.35 in |
| Diameter - Above Flange Maximum             | 7.75 in  |
| Diameter - Below Flange Maximum D <gt;/> 1" | 7.75 in  |
| Diameter - Below Flange Maximum P           | 7.75 in  |
| Diameter - Live Part Bottom                 | 4.50 in  |
| Diameter - Live Part Top                    | 4.50 in  |
| Effective Length - Bottom Terminal          | 3.00 in  |
| Effective Length - Top                      | 2.50 in  |

### Electrical Ratings

|                               |          |
|-------------------------------|----------|
| BIL                           | 350 kV   |
| Current Rating                | 1200 A   |
| Minimum Creepage              | 53.40 in |
| Minimum Creepage - Inside     | 54.00 in |
| Minimum Strike                | 22.90 in |
| Minimum Strike - Inside       | 18.60 in |
| Withstand Voltage - 60 Hz Dry | 160 kV   |
| kV Class                      | 69 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 - Apparatus Bushings Selection Guide \(TD02026E\)](#)  
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)  
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)  
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)  
[Literature - EC SDC Solid Dielectric Bushings v3](#)  
[Literature - FRENCH V2 - EC Generation Bushings](#)  
[Literature - FRENCH V2 - EC GSU Bushings](#)  
[Literature - How an SDC Bushing Test Tap is Constructed](#)  
[Sales Drawings - 635-01\\_6491-8315](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)

|                                      |          |
|--------------------------------------|----------|
| Effective Length - Top Terminal      | 2.55 in  |
| Flange Mounting Hole Bolt Circle     | 10.75 in |
| Flange Mounting Hole Diameter        | 0.63 in  |
| Flange Outside Diameter              | 12.00 in |
| Length                               | 58.40 in |
| Length - Ground Shield               | 3.00 in  |
| Length - Insulation Above Flange     | 21.60 in |
| Length - Insulation Below Flange     | 22.55 in |
| Length - Live Part Bottom            | 3.80 in  |
| Length - Live Part Top               | 3.30 in  |
| Length - Minimum Oil Immersion Level | NA       |
| Sealing Surface Inside Diameter      | 7.80 in  |
| Sealing Surface Outside Diameter     | 10.12 in |
| Stud Inside Diameter                 | 0.88 in  |
| Weight                               | 159 lb   |



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