

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-020-B-638-04

SDC™ 15kV-2000 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 17" Min. Oil Immersion Level/CT Pocket Length, 19.7" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

OCB

### General

|                                 |                               |
|---------------------------------|-------------------------------|
| Bottom Terminal Type            | 2-12 with 1x Groove           |
| Color                           | Gray                          |
| Immersion Type - Above Flange   | Air                           |
| Immersion Type - Below Flange   | Oil                           |
| 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               | 2-12                          |
| Type                            | Condenser Bushings            |

### Dimensions

|                                             |          |
|---------------------------------------------|----------|
| Above Flange Length                         | 15 in    |
| Below Flange Length                         | 24.75 in |
| Diameter - Above Flange Maximum             | 8.64 in  |
| Diameter - Below Flange Maximum D <gt;/> 1" | 3.60 in  |
| Diameter - Below Flange Maximum P           | 3.60 in  |
| Diameter - Live Part Bottom                 | 2.00 in  |
| Diameter - Live Part Top                    | 3.50 in  |
| Effective Length - Bottom Terminal          | 2.75 in  |
| Effective Length - Top Terminal             | 3.00 in  |
| Flange Mounting Hole Bolt Circle            | 7.25 in  |
| Flange Mounting Hole Diameter               | 0.88 in  |
| Flange Outside Diameter                     | 8.50 in  |
| Length                                      | 39.75 in |
| Length - Ground Shield                      | 17.00 in |
| Length - Insulation Above Flange            | 6.60 in  |
| Length - Insulation Below Flange            | 4.25 in  |
| Length - Live Part Bottom                   | 3.50 in  |
| Length - Live Part Top                      | 4.00 in  |
| Length - Minimum Oil Immersion Level        | 17.00 in |
| Sealing Surface Inside Diameter             | 4.37 in  |
| Sealing Surface Outside Diameter            | 6.37 in  |
| Top Terminal Min. Thread Length             | 3.00 in  |
| Weight                                      | 69 lb    |

### Electrical Ratings

|                               |          |
|-------------------------------|----------|
| BIL                           | 110 kV   |
| Current Rating                | 2000 A   |
| Minimum Creepage              | 19.70 in |
| Minimum Strike                | 9.30 in  |
| Withstand Voltage - 60 Hz Dry | 50 kV    |
| kV Class                      | 15 kV    |

## Certifications and Compliance

Industry Standard(s)

CSA C88.1

### 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 - 638-04\_7489-9909  
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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