

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-050-T-964-00

SDC™ 15kV-5000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 19.5" Min. Oil Immersion Level/CT Pocket Length, 19.8" 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

Transformer

### General

|  |                                  |
|--|----------------------------------|
| Bottom Terminal Type                   | 1x Blade with 4x 0.56 Dia Holes  |
| 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 Bolt Holes - Bottom Terminal | 4                                |
| Number of Bolt Holes - Top Terminal    | 8                                |
| Number of Flange Mounting Holes        | 12                               |
| Plating - Bottom Terminal              | None                             |
| Test Tap                               | Yes                              |
| Top Terminal Plating                   | Silver                           |
| Top Terminal Type                      | 2x Blades with 4x 0.56 Dia Holes |
| Type                                   | SDC - Solid Dielectric Capacitor |

### Dimensions

|   |          |
|---|----------|
| Above Flange Length                         | 16.75 in |
| Below Flange Length                         | 28.5 in  |
| Diameter - Above Flange Maximum             | 11.13 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 6.02 in  |
| Diameter - Below Flange Maximum P           | 6.02 in  |
| Diameter - Live Part Bottom                 | 4.00 in  |
| Diameter - Live Part Top                    | 7.00 in  |
| Effective Length - Bottom Terminal          | 4.25 in  |
| Effective Length - Top Terminal             | 4.00 in  |
| Flange Mounting Hole Bolt Circle            | 9.25 in  |
| Flange Mounting Hole Diameter               | 0.69 in  |
| Flange Outside Diameter Length              | 11.00 in |
| Length - Ground Shield                      | 45.25 in |
| Length - Insulation Above Flange            | 19.50 in |
| Length - Insulation Below Flange            | 6.60 in  |
| Length - Live Part Bottom                   | 2.80 in  |
| Length - Live Part Top                      | 6.20 in  |
| Length - Minimum Oil Immersion Level        | 6.70 in  |
| Sealing Surface Inside Diameter             | 19.50 in |
| Sealing Surface Outside Diameter            | 6.24 in  |
| Weight                                      | 8.56 in  |
|   | 15 lb    |

### Electrical Ratings

|                               |          |
|-------------------------------|----------|
| BIL                           | 110 kV   |
| Current Rating                | 5000 A   |
| Minimum Creepage              | 19.80 in |
| Minimum Strike                | 9.00 in  |
| Withstand Voltage - 60 Hz Dry | 50 kV    |
| kV Class                      | 15 kV    |

### Certifications and Compliance

**Product Assets**

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites  
Literature - Apparatus Bushings Selection Guide (TDO2026E)  
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 - 964-00\_7658-9095  
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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