

## SDC™ Composite Bushing - 52KV

By Electro Composites  
Catalog # 250-004-T-887-01

SDC™ 52kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Drawlead Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 44.9" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Transformer

### General

|                                 |                                  |
|---------------------------------|----------------------------------|
| Bottom Terminal Type            | None                             |
| 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            | Tin                              |
| Top Terminal Type               | 1 1/2-12                         |
| Type                            | SDC - Solid Dielectric Capacitor |

### Dimensions

|   |          |
|---|----------|
| Above Flange Length                         | 31.37 in |
| Below Flange Length                         | 20.50 in |
| Diameter - Above Flange Maximum             | 8.64 in  |
| Diameter - Below Flange Maximum D <gt;/> 1" | 3.74 in  |
| Diameter - Below Flange Maximum P           | 3.87 in  |
| Diameter - Live Part Bottom                 | 1.25 in  |
| Diameter - Live Part Top                    | 3.00 in  |
| Effective Length - Bottom Terminal          | 0.00 in  |
| Effective Length - Top Terminal             | 4.00 in  |
| Flange Mounting Hole Bolt Circle            | 8.25 in  |
| Flange Mounting Hole Diameter               | 0.88 in  |
| Flange Outside Diameter                     | 9.50 in  |
| Length                                      | 51.88 in |
| Length - Drawlead Above Flange              | 26.50 in |
| Length - Ground Shield                      | 10.00 in |
| Length - Insulation Above Flange            | 20.40 in |
| Length - Insulation Below Flange            | 19.10 in |
| Length - Live Part Bottom                   | 1.40 in  |
| Length - Live Part Top                      | 7.10 in  |
| Length - Minimum Oil Immersion Level        | 10.00 in |
| Sealing Surface Inside Diameter             | 4.37 in  |
| Sealing Surface Outside Diameter            | 7.37 in  |
| Stud Inside Diameter                        | 1.00 in  |
| Thread Size - Drawlead Connector            | 3/4-10   |
| Top Terminal Min. Thread Length             | 4.00 in  |
| Weight                                      | 55 lb    |

### Electrical Ratings

|                |        |
|----------------|--------|
| BIL            | 250 kV |
| Current Rating | 400 A  |

|                                  |         |
|----------------------------------|---------|
| Minimum Creepage                 | 44.9 in |
| Minimum Creepage - Inside        | NA      |
| Minimum Strike                   | 22.6 in |
| Minimum Strike - Inside          | NA      |
| Withstand Voltage - 60 Hz<br>Dry | 105 kV  |
| kV Class                         | 52 kV   |

## Certifications and Compliance

Industry Standard(s) IEC 60137

## 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 - Traversée SDC 52kV, 400A Modèle: 250-004-T-887-01\(S-9881-9043\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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