

## SDC™ Composite Bushing - 15KV

By Electro Composites  
Catalog # 110-010-T-884-02

SDC™ 15kV-1000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 13.7" 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                | 0.56 Dia Smooth                  |
| 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 - Top Terminal | 2                                |
| Number of Flange Mounting Holes     | 4                                |
| Plating - Bottom Terminal           | None                             |
| Test Tap                            | Yes                              |
| Top Terminal Plating                | None                             |
| Top Terminal Type                   | 1X Blade With 2X 0.56 Dia Holes  |
| Type                                | SDC - Solid Dielectric Capacitor |

### Dimensions

|   |          |
|---|----------|
| Above Flange Length                         | 14.12 in |
| Below Flange Length                         | 18.87 in |
| Diameter - Above Flange Maximum             | 5.21 in  |
| Diameter - Below Flange Maximum D <gt;/> 1" | 2.76 in  |
| Diameter - Below Flange Maximum P           | 2.76 in  |
| Diameter - Live Part Bottom                 | 1.50 in  |
| Diameter - Live Part Top                    | 3.00 in  |
| Effective Length - Bottom Terminal          | 3.00 in  |
| Effective Length - Top Terminal             | 3.19 in  |
| Flange Mounting Hole Bolt Circle            | 5.88 in  |
| Flange Mounting Hole Diameter               | 0.75 in  |
| Flange Outside Diameter Length              | 7.00 in  |
| Length - Drawlead Above Flange              | NA       |
| Length - Ground Shield                      | 10.00 in |
| Length - Insulation Above Flange            | 5.70 in  |
| Length - Insulation Below Flange            | 13.68 in |
| Length - Live Part Bottom                   | 5.20 in  |
| Length - Live Part Top                      | 5.00 in  |
| Length - Minimum Oil Immersion Level        | 10.00 in |
| Sealing Surface Inside Diameter             | 3.01 in  |
| Sealing Surface Outside Diameter            | 5.13 in  |
| Top Terminal Min. Thread Length             | 3.19 in  |
| Weight                                      | 29 lb    |

### Electrical Ratings

|                           |         |
|---------------------------|---------|
| BIL                       | 110 kV  |
| Current Rating            | 1000 A  |
| Minimum Creepage          | 13.7 in |
| Minimum Creepage - Inside | NA      |
| Minimum Strike            | 6.7 in  |

|                                  |       |
|----------------------------------|-------|
| Minimum Strike - Inside          | NA    |
| Withstand Voltage - 60 Hz<br>Dry | 50 kV |
| kV Class                         | 15 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 - SDC Bushing 15kV, 1000A Model: 110-010-T-884-02 \(S-6676-8762\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.  
EC-110-010-T-884-02-SPEC-EN | REV 1/2024