

# HUBBELL Power Systems

## SDC™ Composite Bushing - 35kV

By Electro Composites  
Catalog # 200-012-T-626-03

SDC™ 35kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 38.2" Min. Creepage Length



\*Representative Image

## Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets CSA C88.1 Electrical and Mechanical Requirements

## Application

Transformer

## General

|                                 |                                  |
|---------------------------------|----------------------------------|
| Bottom Terminal Type            | 1 1/2-12                         |
| Catalog Number                  | 200-012-T-626-03                 |
| 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               | 1 1/2-12                         |
| Type                            | SDC - Solid Dielectric Capacitor |

## Dimensions

|  |                              |
|--|------------------------------|
| Above Flange Length                        | 25 in                        |
| Below Flange Length                        | 20.75 in                     |
| Diameter - Above Flange Maximum            | 8.64 in                      |
| Diameter - Below Flange Maximum D <gt/> 1" | 4.15 in                      |
| Diameter - Below Flange Maximum P          | 4.28 in                      |
| Diameter - Live Part Bottom                | 1.50 in                      |
| Diameter - Live Part Top                   | 3.00 in                      |
| Dimensions                                 | 45.75 in x 8.50 in x 8.50 in |

|                                      |          |
|--------------------------------------|----------|
| Effective Length - Bottom Terminal   | 2.50 in  |
| Effective Length - Top Terminal      | 2.50 in  |
| Flange Mounting Hole Bolt Circle     | 7.25 in  |
| Flange Mounting Hole Diameter        | 0.88 in  |
| Flange Outside Diameter              | 8.5 in   |
| Height                               | 8.5 in   |
| Length                               | 45.75 in |
| Length - Ground Shield               | 10.00 in |
| Length - Insulation Above Flange     | 18.20 in |
| Length - Insulation Below Flange     | 6.85 in  |
| Length - Live Part Bottom            | 3.90 in  |
| Length - Live Part Top               | 3.40 in  |
| Length - Minimum Oil Immersion Level | 10.00 in |
| Sealing Surface Inside Diameter      | 4.37 in  |
| Sealing Surface Outside Diameter     | 6.37 in  |
| Top Terminal Min. Thread Length      | 2.5 in   |
| Weight                               | 71 lb    |
| Width                                | 8.5 in   |

## Electrical Ratings

|                               |         |
|-------------------------------|---------|
| BIL                           | 200 kV  |
| Current Rating                | 1200 A  |
| Minimum Creepage              | 38.2 in |
| Minimum Strike                | 20.5 in |
| Withstand Voltage - 60 Hz Dry | 95 kV   |
| kV Class                      | 35 kV   |

## Certifications And Compliance

|                      |           |
|----------------------|-----------|
| Industry Standard(s) | CSA C88.1 |
|----------------------|-----------|

## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Sales Drawings - 626-03\\_1543-10264](#)  
[Specifications - 200-012-T-626-03](#)

