



# SDC™ Composite Bushing - 15kV

By Hubbell  
Catalog # 110-030-T-743-00

SDC™ 15kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1.5" Min. Oil Immersion Level/Ground Shield Length, 16.1" 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	2-12
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	4
Number of Flange Mounting Holes	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1x Blade with 4x 0.56 Dia Holes
Type	Condenser Bushings

## Dimensions

Above Flange Length	15.01 in
Below Flange Length	9.19 in
Diameter - Above Flange Maximum	5.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.69 in
Diameter - Below Flange Maximum P	3.69 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.38 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	8.50 in
Length - Ground Shield	1.50 in
Length - Insulation Above Flange	6.30 in
Length - Insulation Below Flange	2.79 in
Length - Live Part Bottom	4.90 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	4.16 in
Sealing Surface Outside Diameter	6.62 in
Weight	44 lb

## Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	16.10 in
Minimum Strike	7.10 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 - 743-00\\_7919-7378](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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