

# HUBBELL Power Systems

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-030-T-291-01

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" Min. Oil Immersion Level/Ground Shield Length, 19.6" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

### General

Application	Transformer
Bottom Terminal Type	CONTACT DISC 3.50 DIA WITH 4X 1/2-13 THREADED HOLES ON 2.244 BC
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 Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	15.52 in
Below Flange Length	5.2 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.50 in
Diameter - Below Flange Maximum P	3.50 in
Diameter - Live Part Bottom	3.50 in
Diameter - Live Part Top	3.50 in
Dimensions	20.72 in x 8.50 in x 8.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	20.72 in
Length - Ground Shield	1.00 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	2.90 in
Length - Live Part Bottom	1.30 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.25 in
Top Terminal Min. Thread Length	3 in
Weight	44 lb
Width	8.5 in

## Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	19.6 in
Minimum Strike	9.2 in
Withstand Voltage - 60 Hz 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](#)

[Sales Drawings - 291-01\\_7370-9623](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved  
EC-110030T29101-SPEC-EN | REV 6/2024