

# HUBBELL Power Systems

## SDC™ Composite Bushing - 52KV DC

By Electro Composites  
Catalog # 150-001-D-929-00

SDC™ 52kV-100A DC Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 7.0" Min.Oil Immersion Level/CT Pocket, 33.0" 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	DC
Bottom Terminal Type	5/16-18
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	3/8-16
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	17 in
Below Flange Length	13.18 in
Diameter - Above Flange Maximum	7.47 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	0.75 in
Diameter - Live Part Top	2.25 in
Dimensions	30.19 in x 8.00 in x 8.00 in
Effective Length - Bottom Terminal	1.00 in
Effective Length - Top Terminal	1.00 in
Flange Mounting Hole Bolt Circle	6.75 in
Flange Mounting Hole Diameter	0.5 in
Flange Outside Diameter	8 in
Height	8 in
Length	30.19 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	7.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	10.99 in
Length - Live Part Bottom	2.20 in
Length - Live Part Top	1.90 in
Length - Minimum Oil Immersion Level	7.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.25 in
Top Terminal Min. Thread Length	1 in
Weight	38 lb
Width	8 in

## Electrical Ratings

BIL	150 kV
Current Rating	100 A
Minimum Creepage	33 in
Minimum Creepage - Inside	NA
Minimum Strike	13.5 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	60 kV AC
kV Class	52 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 - SDC™ HV Bushings - Electro Composites](#)  
[Sales Drawings - SDC Bushing, 52kV DC, 100A Model: 150-001-D-929-00](#)  
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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