

## SDC™ Composite Bushing - 25kV

By Electro Composites  
Catalog # 150-020-S-559-01

SDC™ 25kV-2000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 7" Ground Shield/CT Pocket Length, 26.7" 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

Wall/Floor

### General

Bottom Terminal Type	2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
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	2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	16.5 in
Below Flange Length	19.25 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	6.25 in
Flange Mounting Hole Diameter	3/8-16
Flange Outside Diameter Length	7.50 in
Length - Ground Shield	7.00 in
Length - Insulation Above Flange	8.90 in
Length - Insulation Below Flange	9.05 in
Length - Live Part Bottom	3.20 in
Length - Live Part Top	3.30 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	5.75 in
Top Terminal Min. Thread Length	2.50 in
Weight	68 lb

### Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	26.70 in
Minimum Creepage - Inside	10.10 in
Minimum Strike	11.30 in
Minimum Strike - Inside	10.10 in
Withstand Voltage - 60 Hz	60 kV

Withstand voltage - 60 Hz 25 kV  
Dry  
kV Class 25 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 - 559-01\\_0078-8431](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.  
EC-150-020-S-559-01-SPEC-EN | REV 1/2024