

## SDC™ Composite Bushing - 25KV

By Electro Composites  
Catalog # 150-045-W-858-00

SDC™ 25kV-4500A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 3.0" Ground Shield Length, 33.1" 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

Wall/Floor

### General

Bottom Terminal Type	1X Blade With 4X 0.56 Dia Holes
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 Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	24.3 in
Below Flange Length	15.50 in
Diameter - Above Flange Maximum	10.62 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.75 in
Diameter - Below Flange Maximum P	7.75 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	4.25 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	15.75 in
Flange Mounting Hole Diameter	1.25 in
Flange Outside Diameter	18.00 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	3.00 in
Length - Insulation Above Flange	12.50 in
Length - Insulation Below Flange	10.00 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	9.68 in
Sealing Surface Outside Diameter	14.50 in
Top Terminal Min. Thread Length	4.25 in
Weight	272 lb

### Electrical Ratings

BIL	150 kV
Current Rating	4500 A
Minimum Creepage	33.1 in
Minimum Creepage - Inside	13.6 in
Minimum Strike	14.8 in

Minimum Strike - Inside	10.5 in
Withstand Voltage - 60 Hz Dry	60 kV
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 - SDC Bushing, 25kV 4500A Model: 150-045-W-858-00 \(S-8596-8259\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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