

## SDC™ Composite Bushing - 13.8kV

By Electro Composites  
Catalog # 082-034-H-573-00

SDC™ 13.8kV-3400 A Generator Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per SPECIAL, Bottom Connected for Air-to-Hydrogen Applications, 4.6" Ground Shield Length, 27.19" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- Can be mounted vertically or horizontally

### Application

Generator

### General

Bottom Terminal Type	CONTACT DISC 6.00 DIA WITH 4X 5/8-11 THREADED HOLES
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Hydrogen
Material - Flange	Stainless Steel
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	4 1/2-10
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	23.25 in
Below Flange Length	17.25 in
Diameter - Above Flange Maximum	10.03 in
Diameter - Below Flange Maximum D <gt/> 1"	8.72 in
Diameter - Below Flange Maximum P	8.82 in
Diameter - Live Part Bottom	8.00 in
Diameter - Live Part Top	6.50 in
Effective Length - Top Terminal	5.50 in
Flange Mounting Hole Bolt Circle	13.63 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	15.25 in
Length	40.50 in
Length - Ground Shield	4.60 in
Length - Insulation Above Flange	13.20 in
Length - Insulation Below Flange	10.55 in
Length - Live Part Bottom	2.10 in
Length - Live Part Top	7.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	8.85 in
Sealing Surface Outside Diameter	12.88 in
Top Terminal Min. Thread Length	5.50 in
Weight	251 lb

### Electrical Ratings

BIL	82 kV
Current Rating	3400 A
Minimum Creepage	27.19 in
Minimum Creepage - Inside	28.00 in
Minimum Strike	14.76 in
Minimum Strike - Inside	15.58 in
Withstand Voltage - 60 Hz Dry	34 kV
kV Class	13.8 kV

## Certifications and Compliance

Industry Standard(s)

SPECIAL

## 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 - 573-00\\_4880-6087](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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