

# HUBBELL Power Systems

## SDC™ Composite Bushing - 30KV

By Electro Composites  
Catalog # 150-190-H-873-00

SDC™ 30kV-19000A Generator Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Hydrogen Applications, 5.0" Ground Shield Length, 13.0" 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
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEC 60137 Electrical and Mechanical Requirements

### General

Application	Generator
Bottom Terminal Type	4.64 Dia Smooth
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Hydrogen
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	4.64 Dia Smooth
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	21.05 in
Below Flange Length	21.85 in
Diameter - Above Flange Maximum	9.06 in
Diameter - Below Flange Maximum D <gt;/> 1"	9.06 in
Diameter - Below Flange Maximum P	9.06 in
Diameter - Live Part Bottom	7.68 in
Diameter - Live Part Top	7.68 in
Dimensions	42.90 in x 13.19 in x 13.19 in
Effective Length - Bottom Terminal	7.28 in
Effective Length - Top Terminal	7.28 in
Flange Mounting Hole Bolt Circle	11.41 in
Flange Mounting Hole Diameter	0.7 in
Flange Outside Diameter	13.19 in
Height	13.19 in
Length	42.9 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	5.00 in
Length - Insulation Above Flange	10.20 in
Length - Insulation Below Flange	10.00 in
Length - Live Part Bottom	7.91 in
Length - Live Part Top	7.91 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	9.06 in
Sealing Surface Outside Diameter	10.29 in
Top Terminal Min. Thread Length	7.28 in
Weight	297 lb
Width	13.19 in

## Electrical Ratings

BIL	150 kV
Current Rating	19000 A
Minimum Creepage	13 in
Minimum Creepage - Inside	12.2 in
Minimum Strike	10.7 in
Minimum Strike - Inside	10.0 in
Withstand Voltage - 60 Hz Dry	75 kV
kV Class	30 kV

## Certifications And Compliance

Industry Standard(s) IEC 60137

## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)  
[Sales Drawings - 873-00\\_2948-8379](#)  
[Sales Drawings - SDC Bushing 30kV, 19000A Model: 150-190-H-873-00](#)  
[Video - ElectroComposites Factory Tour: St. Jerome](#)