

SDC™ Composite Bushing - 25KV

By Electro Composites
Catalog # 150-032-H-876-00

SDC™ 25kV-3150A Generator Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Hydrogen Applications, 18.0" 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
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Generator

General

Bottom Terminal Type	1X Blade With 4X 0.69 Dia Holes
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 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	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	30.62 in
Below Flange Length	13.38 in
Diameter - Above Flange Maximum	7.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.30 in
Effective Length - Bottom Terminal	3.63 in
Effective Length - Top Terminal	5.20 in
Flange Mounting Hole Bolt Circle	10.87 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12.12 in
Length	44.00 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	18.00 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	8.98 in
Length - Live Part Bottom	4.40 in
Length - Live Part Top	6.16 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	9.99 in
Top Terminal Min. Thread Length	5.20 in
Weight	160 lb

Electrical Ratings

BIL	150 kV
Current Rating	3150 A
Minimum Creepage	13.0 in
Minimum Creepage - Inside	9.5 in
Minimum Strike	11.6 in

Minimum Strike - Inside	9.4 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, 3150A Model: 150-032-H-876-00 \(S-6590-8407\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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