

SDC™ Composite Bushing - 30kV

By Electro Composites
Catalog # 150-180-H-149-02

SDC™ 30kV-18000 A Generator Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per SPECIAL, Bottom Connected for Air-to-Hydrogen Applications, 25.591" Ground Shield Length, " 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

Application

Generator

General

Bottom Terminal Type	4.646 DIA SMOOTH
Catalog Number	150-180-H-149-02
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 Test Tap	Silver No
Top Terminal Plating	Silver
Top Terminal Type	4.646 DIA SMOOTH
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	44.69 in
Below Flange Length	21.85 in
Diameter - Above Flange Maximum	8.66 in
Diameter - Below Flange Maximum D <gt/> 1"	7.78 in
Diameter - Below Flange Maximum P	7.78 in
Diameter - Conductor Outside Under Insulation	4.646 in
Diameter - Live Part Bottom	7.68 in

Diameter - Live Part Top	7.68 in
Diameter - Rod / Tube	5 in
Dimensions	66.54 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	11.42 in
Flange Mounting Hole Diameter	1.38 in
Flange Outside Diameter	13.19 in
Height	13.19 in
Length	66.54 in
Length - Ground Shield	25.59 in
Length - Insulated Section	52 in
Length - Live Part Bottom	0.00 in
Length - Live Part Top	0.00 in
Length - Minimum Oil	NA
Immersion Level	
Sealing Surface Inside Diameter	7.78 in
Sealing Surface Outside Diameter	10.04 in
Stud Inside Diameter	1.97 in
Thickness	1.567 in
Weight	439 lb
Width	13.19 in

Electrical Ratings

BIL	150 kV
Current Rating	18000 A
Minimum Creepage	0 in
Minimum Strike	0 in
Withstand Voltage - 60 Hz Dry kV Class	75 kV 30 kV

Certifications And Compliance

Industry Standard(s)	SPECIAL
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Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)

Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE
GSU

Literature - SDC™ GSU Bushings - Electro Composites

Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR
GÉNÉRATEUR

Literature - Apparatus Bushings Selection Guide

Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE
TENSION SDC™

Literature - SDC™ HV Bushings - Electro Composites

Sales Drawings - 149-02_5355-5864

Specifications - 150180H14902

Video - ElectroComposites Factory Tour: St. Jerome



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