

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
- Can be mounted vertically or horizontally

Application

Generator

General

Bottom Terminal Type	4.646 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	4.646 DIA SMOOTH
Type	Condenser Bushings

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 - Live Part Bottom	7.68 in
Diameter - Live Part Top	7.68 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
Length	66.54 in
Length - Ground Shield	25.59 in
Length - Live Part Bottom	0.00 in
Length - Live Part Top	0.00 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	7.78 in
Sealing Surface Outside Diameter	10.04 in
Stud Inside Diameter	1.97 in
Weight	439 lb

Electrical Ratings

BIL	150 kV
Current Rating	18000 A
Minimum Creepage	0.00 in
Minimum Strike	0.00 in
Withstand Voltage - 60 Hz Dry	75 kV
kV Class	30 kV

Certifications and Compliance

Industry Standard(s)	SPECIAL
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Product Assets

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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 - 149-02_5355-5864
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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