

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
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Generator

General

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	Condenser Bushings

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
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	0.70 in
Flange Outside Diameter	13.19 in
Length	42.90 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

Electrical Ratings

BIL	150 kV
Current Rating	19000 A
Minimum Creepage	13.0 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 - 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 30kV, 19000A Model: 150-190-H-873-00 \(S-2948-8379\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.
EC-150-190-H-873-00-SPEC-EN | REV 1/2024