

SDC™ Composite Bushing - 22kV DC

By Electro Composites
Catalog # 325-020-D-254-00

SDC™ 22kV-2000 A DC Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57-19.03, Bottom Connected for Air-to-Air Applications, 19.7" Ground Shield Length, 72.2" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Can be mounted vertically or horizontally

Application

DC

General

Bottom Terminal Type	2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	36.30 in
Below Flange Length	51.25 in
Diameter - Above Flange Maximum	10.62 in
Diameter - Below Flange Maximum D <gt/> 1"	7.75 in
Diameter - Below Flange Maximum P	7.75 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	14.00 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	16.00 in
Length	87.50 in
Length - Ground Shield	19.70 in
Length - Insulation Above Flange	25.30 in
Length - Insulation Below Flange	26.95 in
Length - Live Part Bottom	4.60 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	9.67 in
Sealing Surface Outside Diameter	13.25 in
Top Terminal Min. Thread Length	4.00 in
Weight	370 lb

Electrical Ratings

BIL	325 kV
Current Rating	2000 A
Minimum Creepage	72.20 in
Minimum Creepage - Inside	69.40 in
Minimum Strike	28.30 in
Minimum Strike - Inside	28.80 in
Withstand Voltage - 60 Hz	155kV AC

Withstand voltage - 60 Hz 155kV AC
Dry
kV Class 22 kV

Certifications and Compliance

Industry Standard(s) IEEE C57-19.03

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 - 254-00_4036-3726](#)



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