

HUBBELL

Power Systems

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
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.03 Electrical and Mechanical Requirements

General

Application	DC
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	36.3 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
Dimensions	87.50 in x 16.00 in x 16.00 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	14 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	16 in
Height	16 in
Length	87.5 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 in
Weight	370 lb
Width	16 in

Electrical Ratings

BIL	325 kV
Current Rating	2000 A
Minimum Creepage	72.2 in
Minimum Creepage - Inside	69.40 in
Minimum Strike	28.3 in
Minimum Strike - Inside	28.80 in
Withstand Voltage - 60 Hz Dry	155kV AC
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](#)

[Sales Drawings - 254-00_4036-3726](#)



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